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City of Edina Well No. 7 Study – Phase II Report, March 2005 to June 2005

Minnesota Pollution Control Agency
St. Paul, Minnesota

STS Project 99613-XB

THE INFRASTRUCTURE IMPERATIVE

STS CONSULTANTS

STS Consultants, Ltd.
10900 - 73rd Ave. N., Suite 150
Maple Grove, MN 55369-5547
763-315-6300 Phone
763-315-1836 Fax

June 30, 2005

Mr. Nile Fellows
Minnesota Pollution Control Agency
520 Lafayette Road
St. Paul, MN 55155

Re: City of Edina Well No. 7 Study – Phase II Report, March 2005 – June 2005;
STS Project 99613-XB

Dear Mr. Fellows:

We are pleased to present you with our report "City of Edina Well No. 7 Study – Phase II Report, March 2005 to June 2005". The work was conducted following the scope of work outlined in STS Proposal 12764PP (March 16, 2005) as described in the introduction of this report. The proposal was approved as stated in the Contract Work Order SFST0504 issued by MPCA on March 17, 2005. That Work Order expires on June 30, 2005.

This report discusses the land use and source characterization survey, review of the historical VOCs data, well sampling activities, water level monitoring, and surveying work. The report also presents and discusses the laboratory analytical results. Finally, the report includes a discussion of the investigation results and recommendations for further work.

This report is a continuation of the City of Edina Well No. 7 Study, July 2004 to March 2005 Preliminary Data Report submitted by STS Consultants to the Minnesota Pollution Control Agency on March 3, 2005.

If you have any questions, please contact Peter Rzepecki at 763-315-6345 or Paul Putzier at 763-315-6304.

Sincerely,

STS CONSULTANTS, LTD.

Peter Rzepecki, PhD PHg PG
Senior Hydrogeologist, Risk Assessor

Paul Putzier, PG
Senior Hydrogeologist

PR/dn
Encs.

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Edina Well No. 7 Phase II Report
STS Project 99613-XB
June 30, 2005

1.0 INTRODUCTION

Vinyl chloride contamination detected in the City of Edina Municipal Well Number 7 (ED-7) triggered an investigation that is described in the Preliminary Data Report (STS, March 2005) and in this new Technical Report. Initially, the purpose of the investigation was to collect a set of discrete samples from different depths within well ED-7 using packers and to identify and sample other up-gradient wells. The collected data would help trace sources and pathways of groundwater contamination that is reaching ED-7.

Since then, several tasks were added to the original scope of work that included development of the Sampling and Analysis Plan and appendix to this Plan, geophysical tests of the ED-7 and the Meadowbrook Golf Course Well, collection of tritium and natural attenuation samples, water level monitoring and well surveying.

Following is the list of conducted project tasks, activities and data collected and analyzed as part of this Phase II Investigation conducted during March – June 2005:

- Land Use and Source Characterization Survey;
- Review of the historical VOCs data;
- Development of the Appendix to the Sampling and Analysis Plan (SAP) to guide sampling of the wells (see Appendix A);
- Sampling of 20 wells (all public monitoring wells) for VOCs analysis. Fifteen wells were sampled using Century Discrete Sampler and five wells were sampled using Low-Flow Methodology. Twelve wells were Drift wells, six were Platteville wells and two were St. Peter wells;
- Installation of data-logger/transducer, Professional MiniTroll, in the Meadowbrook Golf Course Well to monitor water level every 15 minutes;
- Surveying the elevation of the top-of-casing of the Meadowbrook Golf Course Well;
- Review and analysis of the VOCs analytical results – this review included the data collected by STS Consultants and the data collected by ENSR. MPCA personnel were present during that sampling to split samples for VOCs analysis and the analytical results were made available to STS for review and summary.

Edina Well No. 7 Phase II Report
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Following is a description of the work performed, presentation of the results, discussion and recommendations.

2.0 LAND USE AND SOURCE CHARACTERIZATION SURVEY

STS conducted a land use and source characterization survey that included the area within a one mile radius of the two highly contaminated wells, W421 and W434. The area of that survey was selected based on a conceptual model presented in the STS Preliminary Data Report (STS, March 3, 2005). According to that model, the source area of contaminants detected in ED-7 was likely to be around these two wells, W421 and W434. The survey identified several potential sources of volatile organic compound contamination to groundwater. These potential sources were identified through review of readily available public information, interpretation of historical property uses and interviews with persons familiar with the area. The results of that survey are presented in a separate STS report (STS, May 27, 2005).

3.0 REVIEW OF THE HISTORICAL VOCs DATA

STS conducted a survey of various information sources in an effort to locate historical data on VOC contamination detected in groundwater in the area within the boundaries of the cities of Edina, St. Louis Park and Hopkins. Two general sources of information were found to contain such data: the Minnesota Pollution Control Agency (MPCA) files and the Minnesota Department of Health (MDH) groundwater database.

The MPCA file search was focused on the areas that are up-gradient or potentially up-gradient of ED-7 - the City of St. Louis Park and, in particular, the City of Hopkins area that was not covered by the Land Use and Source Characterization Survey discussed in the previous section of this report. The contaminated properties were identified using the GIS based search provided on the MPCA website:

http://www.pca.state.mn.us/backyard/neighborhood.html

The results of that search are presented on Figure 1 and in Table 1. Following is a brief discussion of the VOCs data search findings. The emphasis is on the documented presence of chlorinated solvents dissolved in groundwater.

- FINA, unpermitted dump. Some chlorinated solvents were found at low concentrations in shallow groundwater in 1994. In one well, MW-2, trichloroethene was detected in 2000.

- Hopkins Sanitary Landfill, State closed landfill. Vinyl chloride, dichloroethene and trichloroethene were detected at high concentrations (hundreds of µg/L) in 1991 in two drift wells, MW #104 and MW #107. Lower concentrations were also detected in several other wells.

- Sather's, Voluntary Investigation & Cleanup Site. Trichloroethene was detected at low concentration in MW-2 in 1998.

- Honeywell Data Serv., Voluntary Investigation & Cleanup Site. High concentrations of tetrachloroethene were detected in the drift monitoring well MW-22 in years 1991 and 1992. In the following years, these concentrations systematically decreased.

- Honeywell Minnetonka, Voluntary Investigation & Cleanup Site. Low levels of tetrachloroethene were detected in a drift well, MW-1 in 1991.

- Hopkins Technical Center, Voluntary Investigation & Cleanup Site. Significant levels of chlorinated solvents were detected in the site monitoring wells. The highest concentrations were observed in the deep drift well, W6. The chlorinated compounds' concentrations were increasing in that well throughout the years 1993 and 1994, reaching 880 µg/L for tetrachloroethene, 60 µg/L for trichloroethene and 360 µg/L for 1,2-dichloroethene.

- Lindbergh Heat Treating, Voluntary Investigation & Cleanup Site. Trichloroethene was detected at very high concentrations in the site's test wells. The highest concentration was detected in TW3 – 51,000 µg/L.

- Schloff Chemical, Voluntary Investigation & Cleanup Site. Tetrachloroethene was detected at very high concentrations forming a plume that was "deeping" toward the bedrock while migrating away from the on-site source. The highest groundwater concentration was detected in the site monitoring well MW-3S – 12,000 µg/L.

The Minnesota Department of Health (MDH) groundwater database includes the results of analysis of the samples collected from the municipal wells, water treatment plants and distribution centers. Only data obtained from individual municipal wells were included in this review. Table 2 presents the list of all the VOCs detects for the City of Edina and City of St. Louis Park municipal wells. No detects exist in that database for the City of Hopkins wells. The only trace level detects in the Hopkins wells are benzene, toluene and 1,1,1-trichloroethane, noted in samples collected at the treatment plant and distribution center.

Table 2 reveals the presence of VOCs, chlorinated solvent VOCs in particular, detected in the Edina wells No. 2, 7, 8 and 15, and in the St. Louis Park wells No. 4 and 14.

4.0 GROUNDWATER SAMPLING

On June 2 and 3, 2005, STS collected groundwater samples from 15 wells using the Century Discrete Sampler. This sampling was conducted following general sampling procedures described in the Sampling and Analysis Plan (SAP) included as Appendix A in the STS Preliminary Data Report (STS, March 3, 2005). On June 7 and 8, 2005, STS collected samples from an additional five wells constructed using a 1.2 inch diameter – a diameter not large enough to accommodate the Century Discrete Sampler. These wells were sampled using a Low-Flow Sampling Methodology described in the Appendix to the Sampling and Analysis Plan for the City of Edina Well Evaluation presented in Appendix A to this Report.

A total of 20 wells were sampled by STS, 12 wells completed in Drift formation, six wells completed in Platteville Limestone formation and two wells completed in St. Peter Sandstone formation (see Table 3).

The Minnesota Pollution Control Agency provided STS Consultants with the VOC analytical results for the split samples collected during late April and early May by ENSR. ENSR conducts this sampling periodically to monitor the Reilly Tar and Chemical Corporation related PAH plumes. Thirty-six wells were sampled - 13 of them completed in the Drift formation, 13 completed in the Platteville Limestone formation, five completed in the St. Peter Sandstone formation and five competed in the PDCJ formations.

The location of all wells sampled by STS and ENSR in April, May and June 2005 and the wells sampled by STS in a period from October 2004 through January 2005 (as reported in the Preliminary Data Report, STS, March 3, 2005) are presented on Figures 2, 3, 4 and 5.

5.0 WATER LEVEL MEASUREMENTS

On June 15-17, 2005, STS measured water levels in 40 wells located within the boundaries of the City of St. Louis Park. The 2005 water level data are presented in Table 4, along with data collected by the City in the years 2001-2003. The City collects such data twice a year – in the Spring and in the Fall. The last column of Table 4 presents the comparison between the water levels measured by STS in the late Spring and the average water levels measured by the City of St. Louis Park. As can be seen, the STS measured water levels are systematically lower compared to the Spring-Fall levels measured by the City. The difference would likely be larger, if the STS measurements were taken in the middle of the Summer, when water demand is the highest.

STS Consultants surveyed the top-of-casing of the Meadowbrook Golf Course Well (MGC Well) to assure that the correct water elevations can be calculated. In a similar fashion, the City of Edina surveyed the top-of-casing of ED-7. The measured elevations of the top-of-casing are as follows: ED-7 – 954.10 feet NGVD, MGC Well – 895.85 feet NGVD.

On May 19, 2005, STS installed a datalogger/transducer, MiniTroll Professional, in the Meadowbrook Golf Course Well and initiated collection of water levels every 15 minutes. From March 9 through June 7, 2005, Minnesota Department of Health operated similar equipment installed in ED-7. The collected data are presented on Figures 6 and 7. As Figure 6 demonstrates, water level in the PDCJ aquifer system changed over 20 feet between March and June. It is anticipated that summer water level is more than 30 feet lower compared to winter water level.

From May 19 through June 7, 2005, water level was monitored in both wells - ED-7 and Meadowbrook Golf Course Well. This combined hydrograph data are presented on Figure 7. As can be seen, both hydrographs look very similar showing near simultaneous response to cycles of pumping from the area's municipal wells. Most of the time, water level in the MGC Well is slightly higher compared to water level in ED-7. That difference in water level ranges from a fraction of a foot to over 2 feet. Most often the difference is

about half a foot. The more significant difference of 2 feet occurred on May 31 through June 1, 2005. Considering that the two wells are located about 7200 feet apart, hydraulic gradient between the wells is very small. STS suggests that this low gradient may be indicative of a side-gradient rather than up- or down-gradient relation between the two wells – see discussion included in Section 7.

The City of Edina will install a transducer in ED-7 in the near future. It is highly recommended that a full year of the continuous water level data be collected from both wells, ED-7 and MGC Well, at the same time. Such data will allow characterizing hydraulic gradients throughout the year between the areas of the City of Edina and the City of St. Louis Park.

6.0 ANALYTICAL RESULTS

6.1 VOC Data

All the STS and ENSR samples collected in April, May and June 2005 and also STS samples collected in a period from October 2004 through January 2005 (as reported in the Preliminary Data Report, STS, March 3, 2005) are presented in Tables 5A, 5B, 5C, and 5D. Figures 2, 3, 4 and 5 present a distribution of the measured concentrations of the four chlorinated solvent VOCs: tetrachloroethene (PCE), trichloroethene (TCE), 1,2-dichloroethene (1,2-DCE) and vinyl chloride. These are the main contaminants of concern for the Edina Well No. 7 Study.

As Figure 2 demonstrates, a significant chlorinated solvent contamination was detected in groundwater samples collected from several wells completed in the Drift formation. The highest concentrations were measured in W136, P308, P109, P8 and W117. These wells with elevated contamination are separated by many other wells with much lower contamination or no detected contamination. This spatial pattern suggests the presence of several independent sources of contamination.

As Figure 3 demonstrates, the area of a very high chlorinated solvents' contaminated groundwater in the Platteville Limestone formation is delineated by the following wells: W421, W437, W434, W438, W431 and W143. In the other wells, contamination is much lower or not detected. The highest concentration of PCE was measured in a groundwater sample collected from W437 – 13,000 µg/L. It is interesting to note that the very high PCE concentrations were also detected in MW-3S on Schloff property, in 1989 (12,000 µg/L) and in MW-104 on Lindberg Heat Treating property, in 1993 (51,000 µg/L) – see Table 1 and Figure 1. This area of high contamination within the Platteville Limestone roughly corresponds to the area of high contamination within the Drift formation.

As Figure 4 illustrates, groundwater within the St. Peter Sandstone formation is only slightly contaminated with chlorinated solvents. Out of the eight St. Peter wells that were sampled, chlorinated solvents were detected in only four wells: W409, W133, W21 and

W411. These concentrations are lower than the concentrations detected in the PDCJ formation (see Figure 5).

Several other VOCs were detected in the sampled wells as illustrated in Tables 5A, 5B, 5C, and 5D. The most notable is the presence of benzene, 1,1-dichloroethene and naphthalene detected in concentrations above drinking water standards in several wells completed in the Drift and Platteville formations.

6.2 Tritium Results

The results of tritium analysis of the four samples collected from the ED-7 well on January 20, 2005 are presented in Table 6. The samples were collected using the Century Discrete Sampler from four depths within the open section of the well: 360 feet, 400 feet, 450 feet and 500 feet below the top-of-casing. The results illustrate the presence of a distinct stratification of water within this well. That stratification is expressed by a sharp difference in VOC contamination levels (see Table 5D), noticeable differences in measured general chemistry parameters (see STS, March 2005, Table 6) and tritium levels.

High tritium content was measured in water from 400, 450 and 500 feet samples – 14 tritium units (TU). This indicated the presence of young, recent water. Water collected from these depths was VOC contaminated, as opposed to water from the 360 feet sample. Down-hole video revealed the presence of a distinct active fracture zone in ED-7 at a depth of 395 feet. This zone shows groundwater movement. The zone is also marked on geophysical logs by change in fluid resistivity and temperature. Above that 395 feet zone, no VOCs are detected in groundwater, except for toluene. Also, private wells south and west of ED-7 that are completed in the top portion of the Prairie du Chien formation (above that 395 feet zone) show no VOCs contamination (see STS, March 3, 2005).

Tritium was not detected in the 360 feet deep sample. This indicates the presence of an old, "vintage" water – water that entered the ground before 1953.

7.0 DISCUSSION

Except for the PDCJ wells, all of the sampled wells are within the boundaries of the City of St. Louis Park. This concentration of the wells and analytical results in one area is the consequence of the following two factors:

- The conceptual model offered in the Preliminary Data Report (STS, March 3, 2005) was based on the assumption that VOC contaminants detected in the ED-7 well originated in the area near the intersection of Highway 7 and Louisiana Avenue, within the limits of the City of St. Louis Park;
- The south-central portion of the City of St. Louis Park territory has been for decades the area of concentrated industrial and commercial activities. Several facilities caused soil and groundwater contamination that was, next, subject to numerous environmental investigations. This is the area with an abundance of shallow and deep groundwater wells, many of which are available for sampling.

Since STS issued the Preliminary Data Report (STS, March 3, 2005), data were accumulated that indicate that the original conceptual model (a source area north of ED-7) may not be the only possible explanation of the groundwater contaminant transport to the ED-7 well. Another possibility is that a portion or all of the contaminants that were detected in ED-7 may have originated in the southern portion of the City of Hopkins west of ED-7. The following data are pointing toward that alternative possibility:

- Review of the MPCA files (see discussion in Section 3.0) revealed the presence of several industrial/commercial sites within the City of Hopkins and the City of Minnetonka (one site) where chlorinated solvents where detected in shallow groundwater in the past. The concentrations detected in the early 1990s were comparable to the concentrations detected recently in the Drift wells within the City of St. Louis Park. As Figure 1 illustrates, these Hopkins sites are located within or close to the location of the buried bedrock valley. In the central portion of that valley, the Glenwood Shale confining unit was eroded away (as is the case with another branch of the buried bedrock valley located southeast of the Reilly Tar Site). The Basal St. Peter formation, that constitutes the second barrier to groundwater movement from

the surface to the PDCJ aquifer system, was also removed by erosion. In such areas the Drift formation is directly on top of the PDCJ formation and contaminants migrating within the shallow Drift formation may enter directly to the PDCJ formation.

- The combined hydrograph of the ED-7 well and MGC well (Figures 6 and 7) indicate minimal differences in water level elevation between the two wells. Given the considerable distance between the wells, 7,200 feet, hydraulic gradient between the wells is very low. This indicates a side-gradient rather that up-gradient/down-gradient relationship between the two wells. If such is the case, groundwater flows toward both wells from the west and not from the MGC well to the ED-7 well.
- Both of the two cases of the calibrated Reilly Tar Site Groundwater Model (see STS, May 2005) indicate regional groundwater flow direction within the PDCJ formation from the west to the east (or from southwest to northeast) and not from the north to the south (see Figures 8 and 9). Despite various efforts and using different pumping configurations, neither of these model cases could be forced to simulate groundwater flow from the southern portion of St. Louis Park to the ED-7 well.
- Very minimal contamination detected in the wells completed within the St. Peter Sandstone (that is "sandwiched" between the Platteville and PDCJ aquifers) puts to question a conceptual model that postulates that the St. Louis Park source area contaminants migrate mainly from the Platteville aquifer through the intermediate St. Peter aquifer to the deeper PDCJ aquifer system.

The presence of a young, recent groundwater at greater depths in the ED-7 well indicates that shallow, contaminated water may migrate relatively fast along some preferential pathways (sand and gravel bodies within the Drift formation, fracture zones within Prairie du Chien formation) into deeper zones of the aquifers, while shallower groundwater in the top portion of the Prairie du Chien formation, and perhaps, St. Peter Sandstone circulates much slower and is much older.

8.0 RECOMMENDATIONS

The following additional work is recommended to verify which of the two conceptual models discussed above is more likely to describe the groundwater system and contaminant transport more accurately.

- Survey of the existing wells within the area of western Edina, Hopkins and Minnetonka. That survey should strive to identify the candidate wells for sampling. This survey is likely to reveal that the important areas west of Edina Well No. 7 (mainly residential areas) lack deeper wells and, therefore, tracing contaminant movement from that direction may not be possible without installing additional monitoring wells.

- Conduct land use and source characterization investigation of the south portion of the City of Hopkins. That characterization would include reviewing the history of commercial and industrial activities. The objective is to verify and expand upon what was established during the search for historical VOCs data, as discussed in Section 3.0.

- Conduct periodic sampling for VOCs from the newly identified wells as well as from the wells that were recently sampled for VOCs this first time.

- Continue water level monitoring. Two types of monitoring should be conducted: summer/winter monitoring of many wells within the limits of St. Louis Park, Edina and Hopkins; and continuous monitoring at selected wells with the use of dataloggers/ transducers.

- Expand the Reilly Tar Groundwater Model to include the Platteville and Drift formations. Such an expanded model would assist in evaluating the new suspected and potential contaminant pathways connecting ED-7 and contaminant sources.

- Reconstruct historical pumping within St. Louis Park, Edina, Minnetonka and Hopkins in the groundwater model.

- Conduct tritium and general chemistry analysis of samples collected from selected wells to help develop a better understanding of the groundwater system and to guide possible remedial actions.

9.0 REFERENCES

Olsen, B.M., B.A. Bloomgren, 1989. Bedrock Geology - Geologic Atlas, Hennepin County, Minnesota, County Atlas Series, Atlas C-4, Plate 2 of 9.

STS, March 3, 2005. City of Edina Well No. 7 Study, July 2004 to March 2005 Preliminary Data Report. Prepared for the Minnesota Pollution Control Agency, STS Project 99613-XB.

STS, May 27, 2005. Land Use and Source Characterization Survey – Edina Well Evaluation. Prepared for the Minnesota Pollution Control Agency, STS Project 99613-XB.

STS, May 31, 2005. Reilly Tar Site / Meadowbrook Groundwater Model Set-up and Calibration Report. Prepared for the Minnesota Pollution Control Agency, STS Project 99330-XD.

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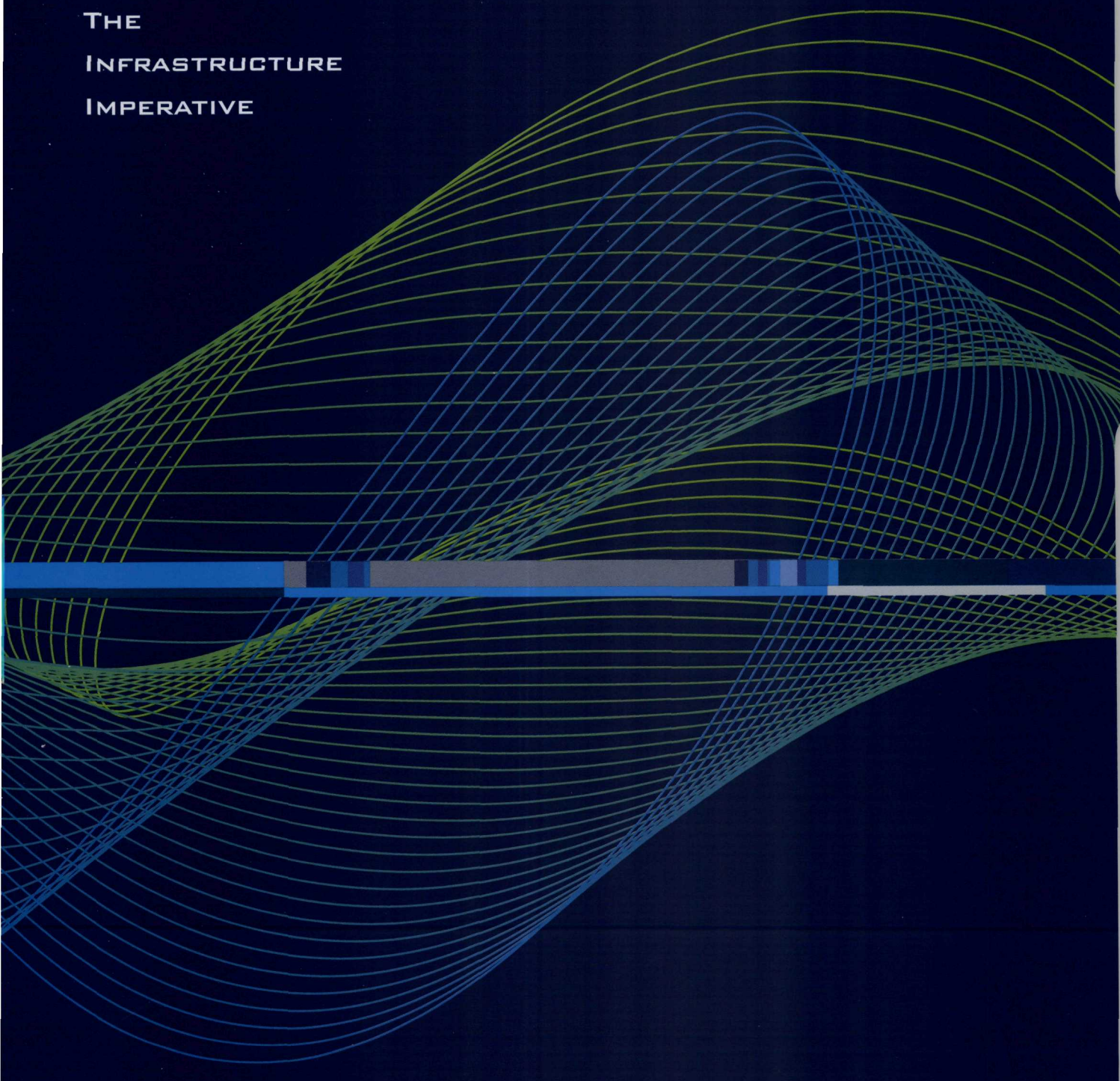
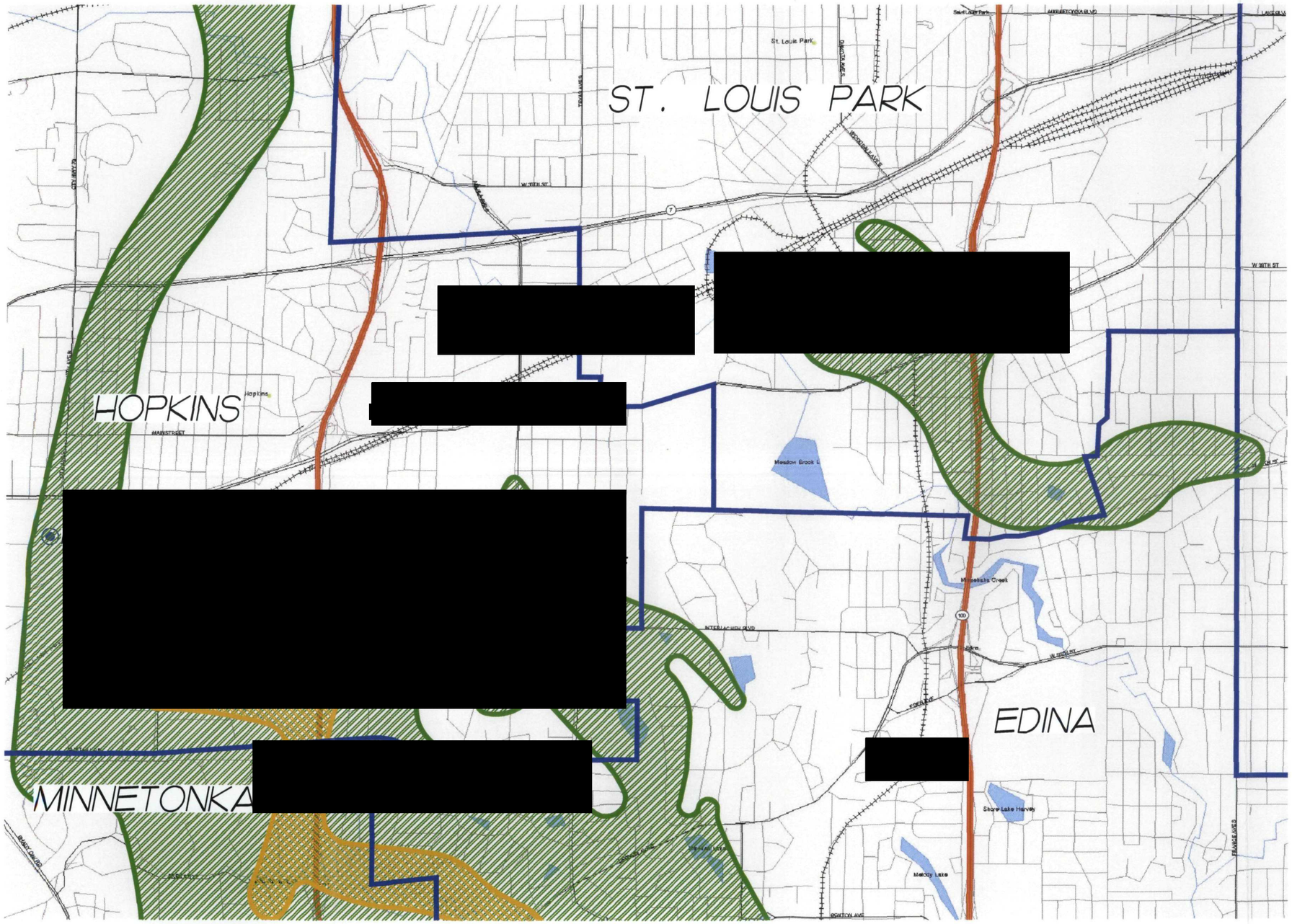
Figures





LEGEND

SITE NAME
WELL NAME–PCE/TCE/1,2–DCE/VINYL CHLORIDE CONCENTRATIONS (ug/L)–(YEAR OF DATA)

BEDROCK VALLEY – DRIFT OVERLIES ST. PETER SANDSTONE (B. OLSEN & B. BLOOMGREN, 1989)

BEDROCK VALLEY – DRIFT OVERLIES PRAIRIE dU CHEIN FORMATION (B. OLSEN & B. BLOOMGREN, 1989)

N

0 1100 2200
SCALE IN FEET

NOTE: BASE MAP PROVIDED BY STS GIS.

STS CONSULTANTS
10900 73rd Ave. N., Suite 150
Maple Grove, MN 55369
763-315-6300
www.stsconsultants.com

EDINA WELL NUMBER 7 STUDY - PHASE II
DETECTED CHLORINATED SOLVENT CONCENTRATIONS IN GROUNDWATER
HISTORICAL DATA
EDINA / ST. LOUIS PARK / HOPKINS, MINNESOTA
FOR: MINNESOTA POLLUTION CONTROL AGENCY

Drawn :	TAK	5/25/2005
Checked:	RLD	5/25/2005
Approved:	RLD	5/25/2005

PROJECT NUMBER 99613XB

FIGURE NUMBER 1

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◉ WELL NAME

WATER LEVEL/PCE/TCE/1,2-DCE/VINYL CHLORIDE CONCENTRATIONS (ug/L)

N

0 600 1200

SCALE IN FEET

NOTE: BASE MAP PROVIDED BY STS GIS.

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Maple Grove, MN 55369
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www.stsconsultants.com

EDINA WELL NUMBER 7 STUDY - PHASE II
DETECTED CHLORINATED SOLVENT CONCENTRATIONS IN GROUNDWATER
DRIFT AQUIFERS
EDINA / ST. LOUIS PARK / HOPKINS, MINNESOTA
FOR: MINNESOTA POLLUTION CONTROL AGENCY

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FIGURE NUMBER	2	

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◉ WELL NAME

WATER LEVEL/PCE/TCE/1,2-DCE/VINYL CHLORIDE CONCENTRATIONS (ug/L)

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Maple Grove, MN 55369
763-315-6300
www.stsconsultants.com

EDINA WELL NUMBER 7 STUDY - PHASE II
DETECTED CHLORINATED SOLVENT CONCENTRATIONS IN GROUNDWATER
PLATTEVILLE AQUIFER
EDINA / ST. LOUIS PARK / HOPKINS, MINNESOTA
FOR: MINNESOTA POLLUTION CONTROL AGENCY

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FIGURE NUMBER 3

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◉ WELL NAME

WATER LEVEL/PCE/TCE/1,2-DCE/VINYL CHLORIDE CONCENTRATIONS (ug/L)

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Maple Grove, MN 55369
763-315-6300
www.stsconsultants.com

EDINA WELL NUMBER 7 STUDY - PHASE II
DETECTED CHLORINATED SOLVENT CONCENTRATIONS IN GROUNDWATER
ST. PETER AQUIFER
EDINA / ST. LOUIS PARK / HOPKINS, MINNESOTA
FOR: MINNESOTA POLLUTION CONTROL AGENCY

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PROJECT NUMBER	99613XB	
FIGURE NUMBER	4	

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◉ WELL NAME
WATER LEVEL/PCE/TCE/1,2-DCE/VINYL CHLORIDE CONCENTRATIONS (ug/L)

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SCALE IN FEET

NOTE: BASE MAP PROVIDED BY STS GIS.

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Maple Grove, MN 55369
763-315-6300
www.stsconsultants.com

EDINA WELL NUMBER 7 STUDY - PHASE II
DETECTED CHLORINATED SOLVENT CONCENTRATIONS IN GROUNDWATER
PRAIRIE dUCHEIN / JORDAN AQUIFER
EDINA / ST. LOUIS PARK / HOPKINS, MINNESOTA
FOR: MINNESOTA POLLUTION CONTROL AGENCY

Drawn :	TAK	5/25/2005
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PROJECT NUMBER	99613XB	
FIGURE NUMBER	5	

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Figure 6. Water Level Fluctuations - March to June 2005
Edina Well No. 7 and Meadowbrook Golf Course Well
City of Edina Well No. 7 Study - Phase II
STS Project No. 99613-XB

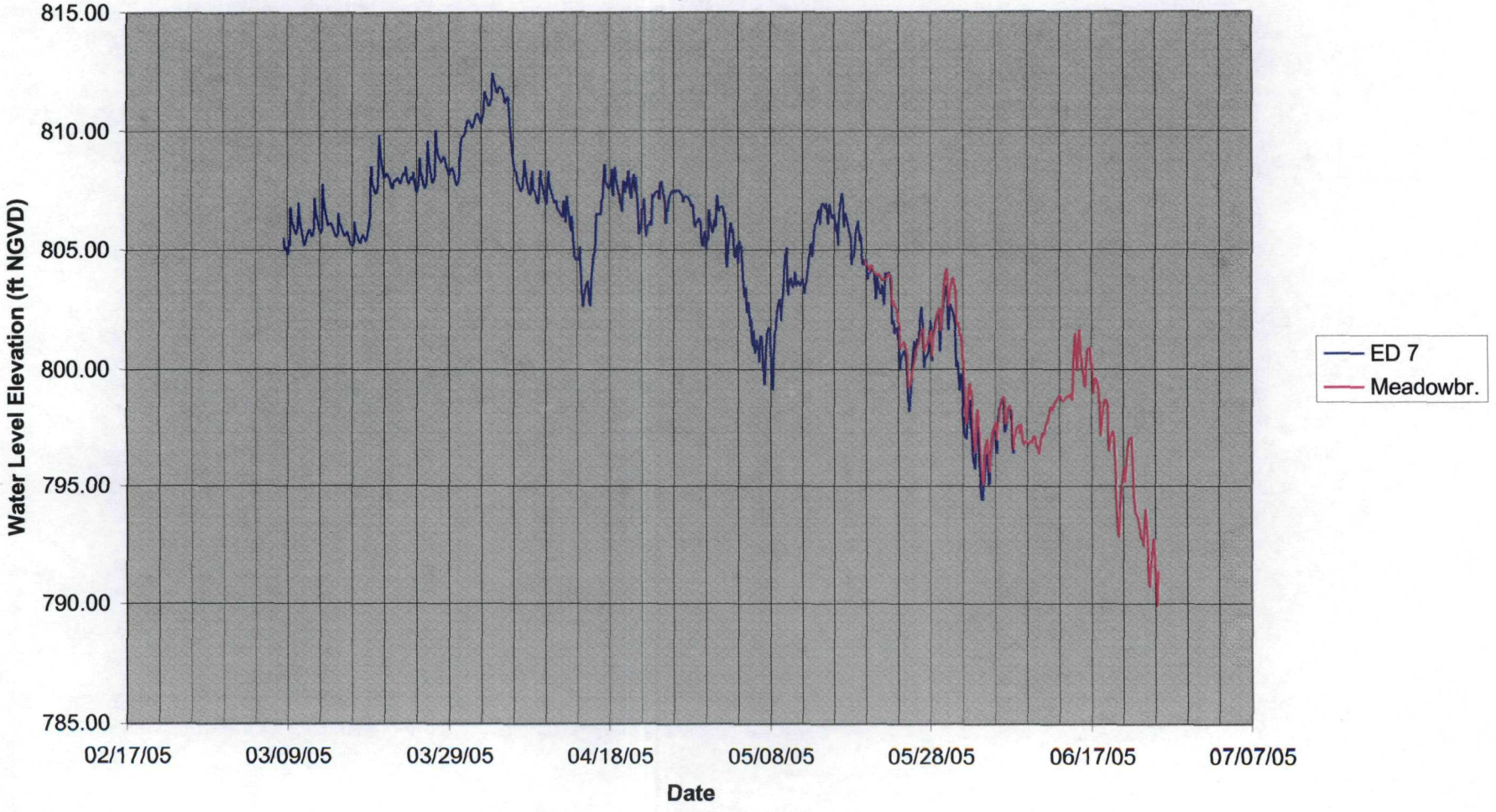


Figure 7. Water Level Fluctuations - May to June 2005
Edina Well No. 7 and Meadowbrook Golf Course Well
City of Edina Well No. 7 Study - Phase II
STS Project No. 99613-XB

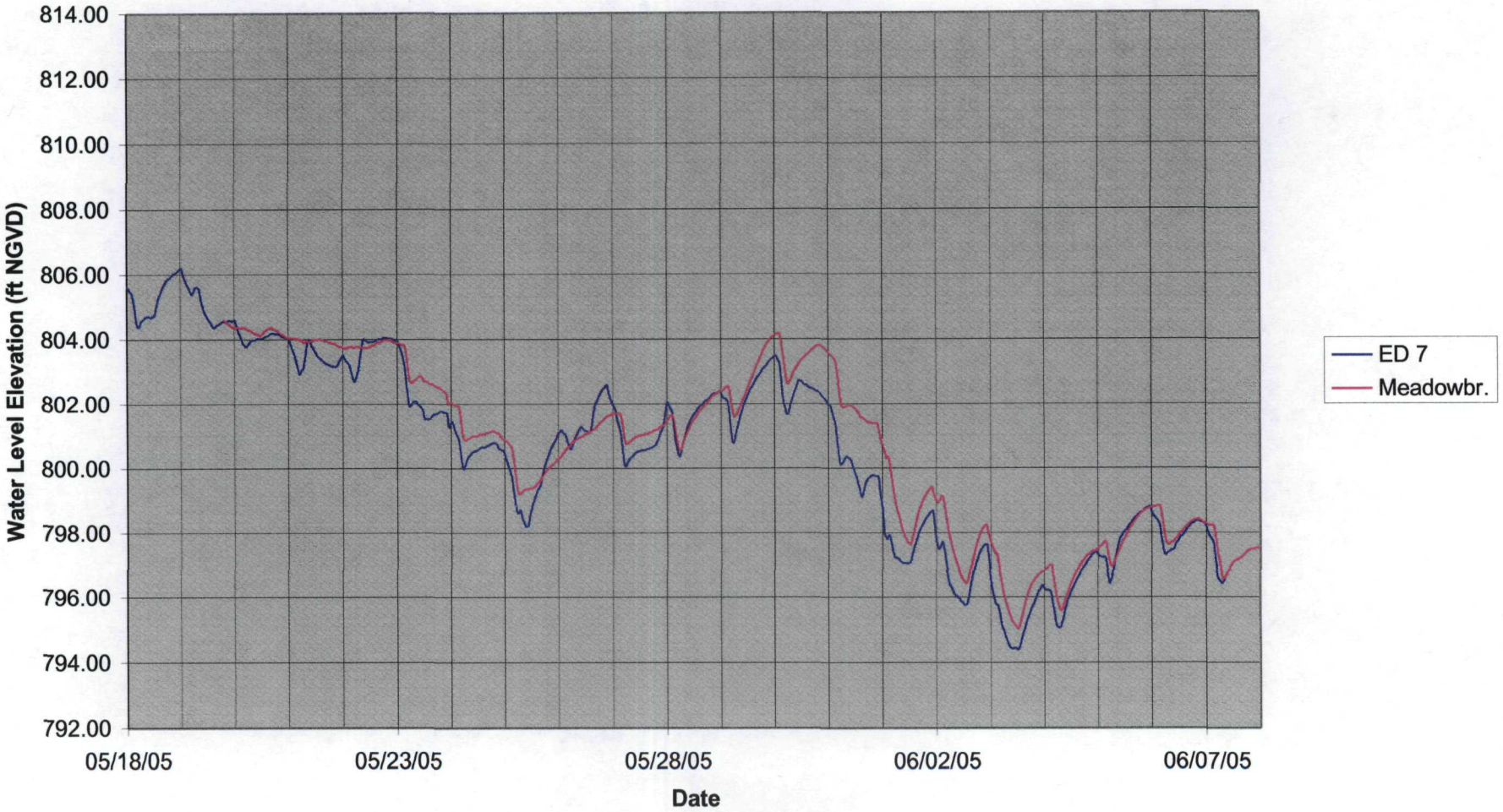


Figure 8. Prairie du Chien / Jordan Aquifer Potentiometric Surface

' as Simulated by the Reilly Tar Site Groundwater Model - Low Transmissivity Version (STS Project 99330-XD)

City of Edina Well No. 7 Study - Phase II, STS Project No. 99613-XB

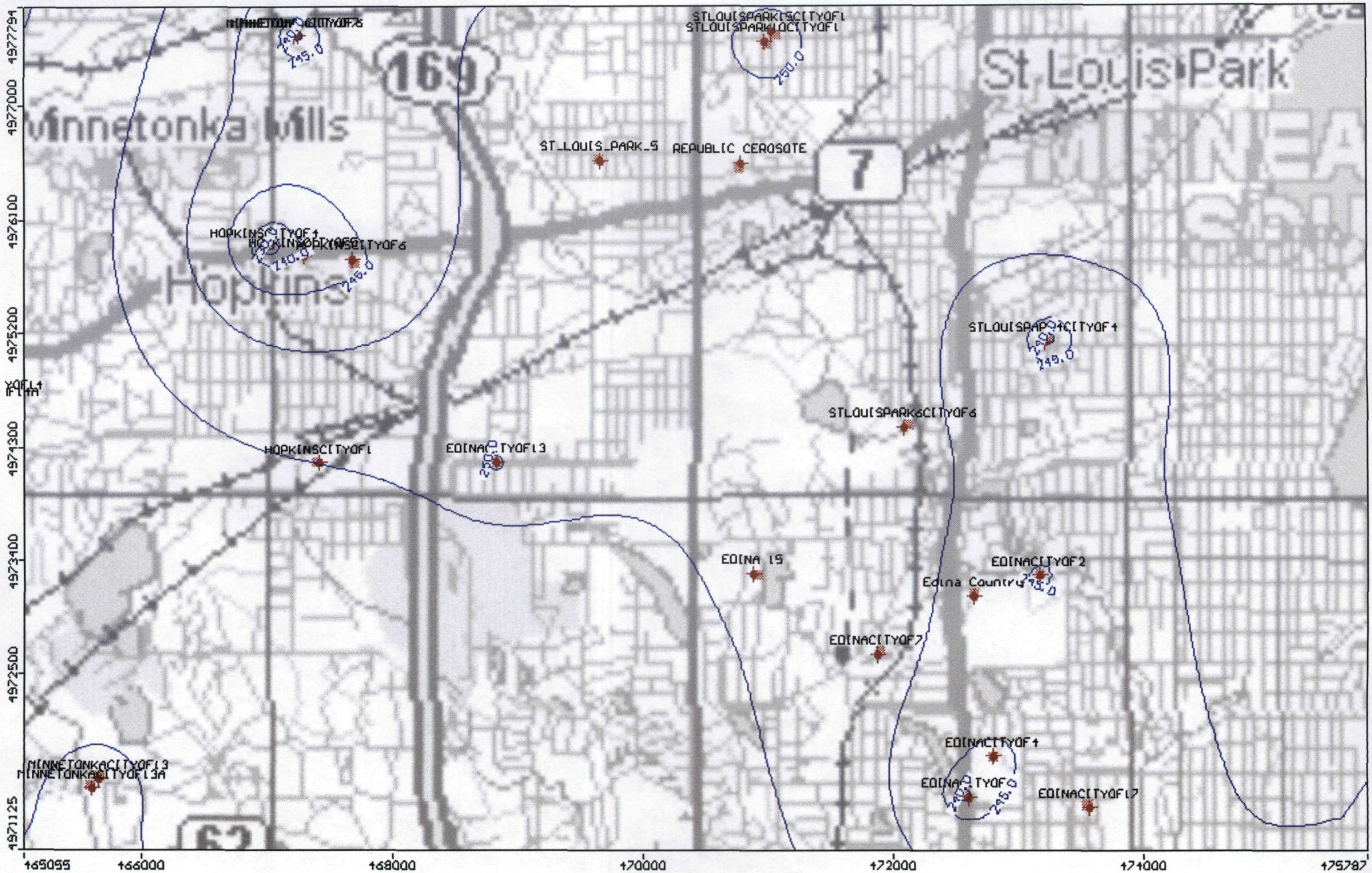
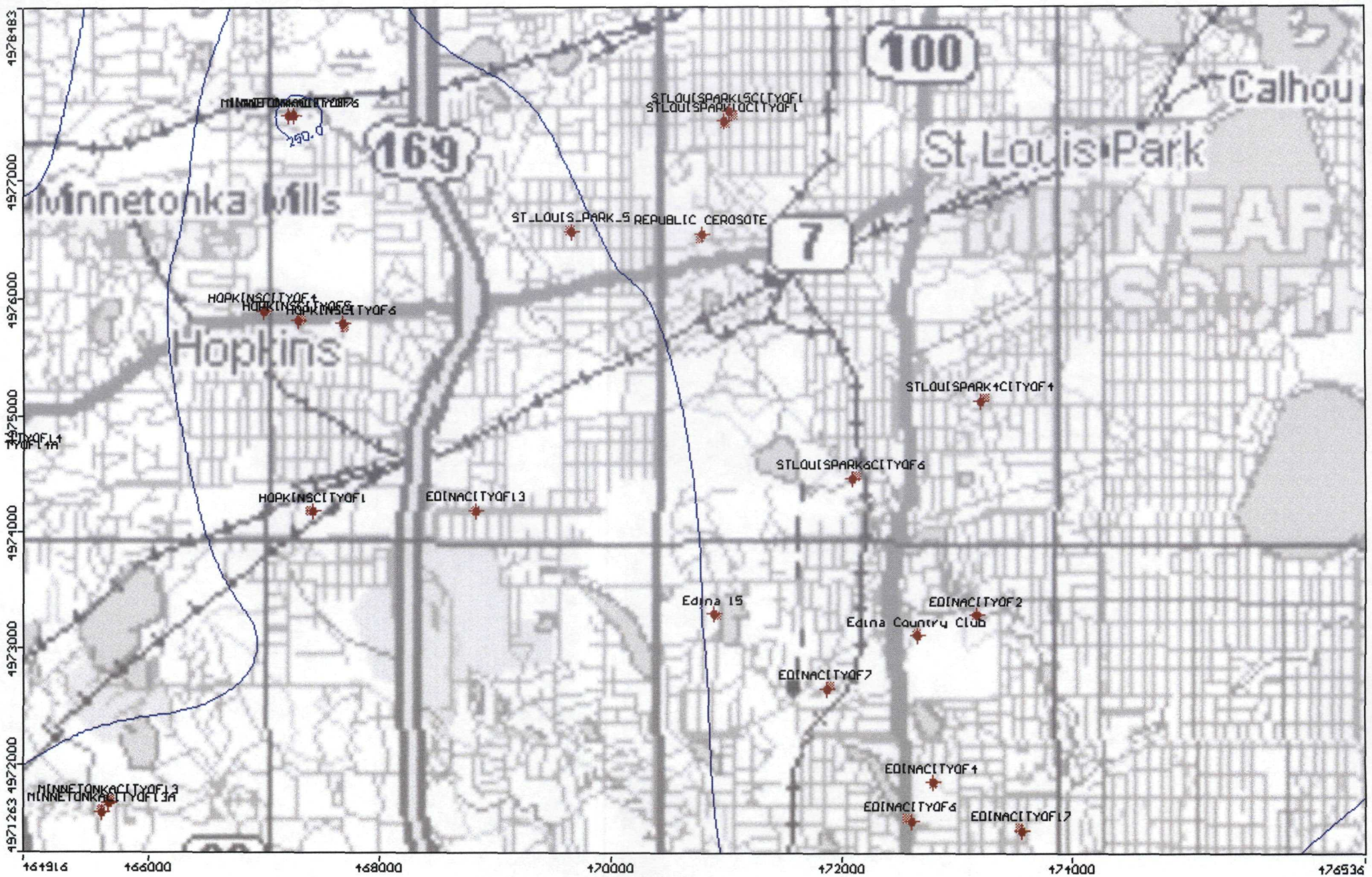


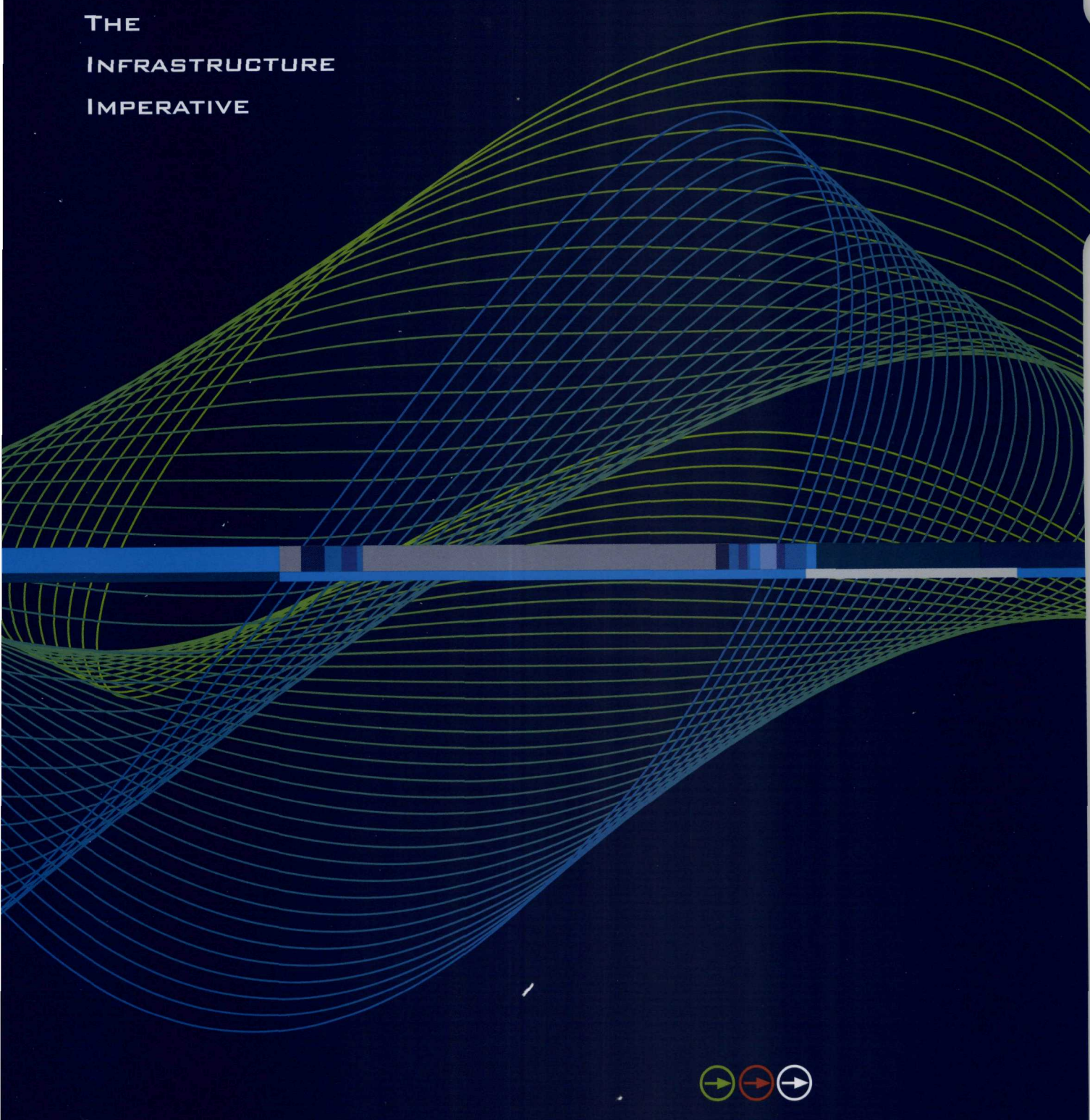
Figure 9. Prairie du Chien / Jordan Aquifer Potentiometric Surface

' as Simulated by the Reilly Tar Site Groundwater Model - High Transmissivity Version (STS Project 99330-XD)

City of Edina Well No. 7 Study - Phase II, STS Project No. 99613-XB



The Infrastructure Imperative



Tables

Table 1. Historical VOCs Data - MPCA File Revies
City of Edina Well No. 7 Study - Phase II
STS Project No. 99613-XB

Well Name	Data City	Date Sampled	Analyte	Results	Unit	Code	Source	Notes
MW-1	Hopkins	8/25/1994	trans-1,2-Dichloroethene	0.99	ug/L		Fina #1176 (VP 13880), Quarterly Monitoring Report, Arkadis Geraghty & Miller, Inc., July 19, 2000	Unpermitted Dump
MW-1	Hopkins	8/25/1994	cis-1,2-Dichlorpethene	1.2	ug/L		as above	Unpermitted Dump
MW-1	Hopkins	8/25/1994	Trichloroethene	1.0	ug/L		as above	Unpermitted Dump
MW-2	Hopkins	8/25/1994	Trichloroethene	3.0	ug/L		as above	Unpermitted Dump
MW-2	Hopkins	3/13/2000	Trichloroethene	1.2	ug/L		as above	Unpermitted Dump
MW-3	Hopkins	8/25/1994	trans-1,2-Dichloroethene	0.99	ug/L		as above	Unpermitted Dump
MW-3	Hopkins	8/25/1994	cis-1,2-Dichloroethene	1.5	ug/L		as above	Unpermitted Dump
MW-3	Hopkins	8/25/1994	Trichloroethene	2.6	ug/L		as above	Unpermitted Dump
MW 104	Hopkins	2/1/1991	Vinyl Chloride	150	ug/L		Hopkins Sanitary Landfill, SW-58, Third Baseline Sampling, Braun Environmental Laboratories, March 4, 1991.	State Closed Landfill
MW 104	Hopkins	2/1/1991	cis-1,2-Dichloroethene	2400	ug/L		as above	State Closed Landfill
MW 104	Hopkins	2/1/1991	Trichloroethene	220	ug/L		as above	State Closed Landfill
MW107	Hopkins	2/1/1991	Vinyl Chloride	200	ug/L		as above	State Closed Landfill
MW107	Hopkins	2/1/1991	cis-1,2-Dichloroethene	2200	ug/L		as above	State Closed Landfill
MW107	Hopkins	2/1/1991	Trichloroethene	97	ug/L		as above	State Closed Landfill
MW107	Hopkins	2/1/1991	Tetrachloroethene	1.6	ug/L		as above	State Closed Landfill
MW-1	Hopkins	2/1/1991	Vinyl Chloride	20	ug/L		as above	State Closed Landfill
MW-2	Hopkins	10/5/1998	Trichloroethene	1.3	ug/L		Sather's, VP 9680	Voluntary Investigation & Cleanup Site
MW-22	Hopkins	2/27/1992	Tetrachloroethene	110	ug/L		Honeywell Data Serv. PT 3580. Remedial Action & Design, Fourth Qtr Monitoring Results, Delta, Feb. 12, 1996	Voluntary Investigation & Cleanup Site
MW-1	Hopkins	7/24/1991	Tetrachloroethene	5.2	ug/L		Honeywell Minnetonka, PT 2150, Results of Ground Water Monitoring, Delta Environmental Consultants, Inc., October 7, 1994	Voluntary Investigation & Cleanup Site
W2	Hopkins	4/16/1993	Tetrachloroethene	26	ug/L		Hopkins Technical Center, Phase II Environmental Subsurface Investigation, Braun Intertec, 1993	Voluntary Investigation & Cleanup Site
W4	Hopkins	1/26/1989	Vinyl Chloride	160	ug/L		as above	as above
0	Hopkins	1/26/1989	cis-1,2-Dichloroethene	8.4	ug/L		as above	as above
W4	Hopkins	1/26/1989	Trichloroethene	14	ug/L		as above	as above
W4	Hopkins	1/26/1989	Tetrachloroethene	160	ug/L		as above	as above
W6	Hopkins	1/26/1989	1,2-Dichloroethene (Total)	360	ug/L		as above	as above
W6	Hopkins	1/26/1989	Trichloroethene	60	ug/L		as above	as above
W6	Hopkins	1/26/1989	Tetrachloroethene	880	ug/L		as above	as above
MW-104	St. Louis Park	11/12/1993	cis-1,2-Dichloroethene	12	ug/L		Lindbergh Heat Treating PT 4800 RI/FS. Trichloroethylene Release Remedial Investigation and Corrective Action, Rust Environment and Infrastructure, April 1994.	Voluntary Investigation & Cleanup Site
MW-104	St. Louis Park	11/12/1993	Trichloroethene	58	ug/L		as above	as above
MW-104	St. Louis Park	11/12/1993	Tetrachloroethene	29	ug/L		as above	as above
TW3	St. Louis Park	11/12/1993	Trichloroethene	51000	ug/L		as above	as above
MW-3S	St. Louis Park	6/22/1989	Tetrachloroethene	12000	ug/L		Schloff Chemical, Environmental Investigation Report, Delta, 1990	Voluntary Investigation & Cleanup Site

Table 2. Historical VOCs Data - MDH Database
City of Edina Well No. 7 Study - Phase II
STS Project No. 99613-XB

Well Name	Data City	Date Sampled	Analyte	Results	Unit	Code	Source
WELL #15	Edina	6/6/1994	1,1,1-Trichloroethane	0.30	ug/L		Minnesota Department of Health Database
WELL #15	Edina	6/6/1994	cis-1,2-Dichloroethene	0.50	ug/L		Minnesota Department of Health Database
WELL #15	Edina	6/6/1994	Trichloroethene	1.30	ug/L		Minnesota Department of Health Database
WELL #15 ENTRY POINT	Edina	9/6/2002	1,1,1-Trichloroethane	0.90	ug/L		Minnesota Department of Health Database
WELL #15 ENTRY POINT	Edina	9/6/2002	1,1-Dichloroethene	1.00	ug/L		Minnesota Department of Health Database
WELL #15 ENTRY POINT	Edina	9/6/2002	cis-1,2-Dichloroethene	2.10	ug/L		Minnesota Department of Health Database
WELL #15 ENTRY POINT	Edina	9/6/2002	Tetrachloroethene	0.40	ug/L		Minnesota Department of Health Database
WELL #15 ENTRY POINT	Edina	9/6/2002	trans-1,2-Dichloroethene	0.20	ug/L		Minnesota Department of Health Database
WELL #15 ENTRY POINT	Edina	9/6/2002	Trichloroethene	1.50	ug/L		Minnesota Department of Health Database
WELL #2	Edina	5/16/2001	cis-1,2-Dichloroethene	4.50	ug/L		Minnesota Department of Health Database
WELL #2	Edina	5/16/2001	trans-1,2-Dichloroethene	0.30	ug/L		Minnesota Department of Health Database
WELL #2	Edina	5/16/2001	Trichloroethene	0.70	ug/L		Minnesota Department of Health Database
WELL #2	Edina	5/16/2001	Vinyl chloride	0.80	ug/L		Minnesota Department of Health Database
WELL #7	Edina	6/6/1994	cis-1,2-Dichloroethene	0.40	ug/L		Minnesota Department of Health Database
WELL #7	Edina	6/6/1994	Trichloroethene	1.00	ug/L		Minnesota Department of Health Database
WELL 13	Edina	5/3/2004	cis-1,2-Dichloroethene	1.10	ug/L		Minnesota Department of Health Database
WELL 13	Edina	5/3/2004	Trichloroethene	0.30	ug/L		Minnesota Department of Health Database
WELL 14	St. Louis Park	3/5/1993	cis-1,2-Dichloroethene	16.00	ug/L		Minnesota Department of Health Database
WELL 14	St. Louis Park	9/13/1993	cis-1,2-Dichloroethene	10.00	ug/L		Minnesota Department of Health Database
WELL 14	St. Louis Park	6/9/1994	cis-1,2-Dichloroethene	12.00	ug/L		Minnesota Department of Health Database
WELL 14	St. Louis Park	9/27/1994	cis-1,2-Dichloroethene	16.00	ug/L		Minnesota Department of Health Database
WELL 14	St. Louis Park	3/2/1995	cis-1,2-Dichloroethene	13.00	ug/L		Minnesota Department of Health Database
WELL 14	St. Louis Park	6/14/1995	cis-1,2-Dichloroethene	14.00	ug/L		Minnesota Department of Health Database
WELL 14	St. Louis Park	3/5/1993	trans-1,2-Dichloroethene	4.10	ug/L		Minnesota Department of Health Database
WELL 14	St. Louis Park	9/13/1993	trans-1,2-Dichloroethene	2.20	ug/L		Minnesota Department of Health Database
WELL 14	St. Louis Park	6/9/1994	trans-1,2-Dichloroethene	3.40	ug/L		Minnesota Department of Health Database
WELL 14	St. Louis Park	9/27/1994	trans-1,2-Dichloroethene	4.00	ug/L		Minnesota Department of Health Database
WELL 14	St. Louis Park	3/2/1995 0:00	trans-1,2-Dichloroethene	2.90	ug/L		Minnesota Department of Health Database
WELL 14	St. Louis Park	6/14/1995	trans-1,2-Dichloroethene	3.40	ug/L		Minnesota Department of Health Database
WELL 14	St. Louis Park	3/5/1993	Trichloroethene	1.50	ug/L		Minnesota Department of Health Database
WELL 14	St. Louis Park	9/13/1993	Trichloroethene	1.80	ug/L		Minnesota Department of Health Database
WELL 14	St. Louis Park	6/9/1994	Trichloroethene	1.90	ug/L		Minnesota Department of Health Database
WELL 14	St. Louis Park	9/27/1994	Trichloroethene	1.40	ug/L		Minnesota Department of Health Database
WELL 14	St. Louis Park	3/2/1995	Trichloroethene	1.80	ug/L		Minnesota Department of Health Database
WELL 14	St. Louis Park	6/14/1995	Trichloroethene	2.20	ug/L		Minnesota Department of Health Database
WELL 15	Edina	5/12/1995	1,1,1-Trichloroethane	0.70	ug/L		Minnesota Department of Health Database
WELL 15	Edina	5/29/1998	1,1,1-Trichloroethane	0.20	ug/L		Minnesota Department of Health Database
WELL 15	Edina	5/3/2004	1,1,1-Trichloroethane	1.00	ug/L		Minnesota Department of Health Database
WELL 15	Edina	5/3/2004	1,1-Dichloroethene	1.00	ug/L		Minnesota Department of Health Database
WELL 15	Edina	6/23/1993	cis-1,2-Dichloroethene	0.30	ug/L		Minnesota Department of Health Database
WELL 15	Edina	5/12/1995	cis-1,2-Dichloroethene	0.20	ug/L		Minnesota Department of Health Database
WELL 15	Edina	5/29/1998	cis-1,2-Dichloroethene	3.00	ug/L		Minnesota Department of Health Database
WELL 15	Edina	6/17/1999	cis-1,2-Dichloroethene	0.30	ug/L		Minnesota Department of Health Database
WELL 15	Edina	5/16/2001	cis-1,2-Dichloroethene	4.50	ug/L		Minnesota Department of Health Database
WELL 15	Edina	5/3/2004	cis-1,2-Dichloroethene	2.60	ug/L		Minnesota Department of Health Database
WELL 15	Edina	5/16/2001	trans-1,2-Dichloroethene	0.20	ug/L		Minnesota Department of Health Database
WELL 15	Edina	6/23/1993	Trichloroethene	1.10	ug/L		Minnesota Department of Health Database
WELL 15	Edina	9/21/1993	Trichloroethene	0.20	ug/L		Minnesota Department of Health Database
WELL 15	Edina	9/7/1994	Trichloroethene	0.50	ug/L		Minnesota Department of Health Database
WELL 15	Edina	10/4/1994	Trichloroethene	0.40	ug/L		Minnesota Department of Health Database
WELL 15	Edina	5/12/1995	Trichloroethene	1.20	ug/L		Minnesota Department of Health Database
WELL 15	Edina	5/29/1998	Trichloroethene	1.30	ug/L		Minnesota Department of Health Database
WELL 15	Edina	6/17/1999	Trichloroethene	0.10	ug/L		Minnesota Department of Health Database
WELL 15	Edina	5/16/2001	Trichloroethene	0.80	ug/L		Minnesota Department of Health Database
WELL 15	Edina	5/3/2004	Trichloroethene	1.50	ug/L		Minnesota Department of Health Database
WELL 15	Edina	5/16/2001	Vinyl chloride	0.60	ug/L		Minnesota Department of Health Database
WELL 15 - ANNUAL	Edina	6/6/1997	1,1,1-Trichloroethane	0.20	ug/L		Minnesota Department of Health Database
WELL 15 - ANNUAL	Edina	6/6/1997	1,1-Dichloroethene	0.60	ug/L		Minnesota Department of Health Database
WELL 15 - ANNUAL	Edina	6/6/1997	cis-1,2-Dichloroethene	0.30	ug/L		Minnesota Department of Health Database
WELL 15 - ANNUAL	Edina	6/6/1997	Trichloroethene	0.80	ug/L		Minnesota Department of Health Database
WELL 15 ENTRY POINT	Edina	8/28/2001	1,1,1-Trichloroethane	0.30	ug/L		Minnesota Department of Health Database
WELL 15 ENTRY POINT	Edina	10/31/2001	1,1,1-Trichloroethane	0.30	ug/L		Minnesota Department of Health Database
WELL 15 ENTRY POINT	Edina	6/26/2003	1,1,1-Trichloroethane	0.30	ug/L		Minnesota Department of Health Database
WELL 15 ENTRY POINT	Edina	7/23/2003	1,1,1-Trichloroethane	0.40	ug/L		Minnesota Department of Health Database
WELL 15 ENTRY POINT	Edina	7/14/2004	1,1,1-Trichloroethane	0.60	ug/L		Minnesota Department of Health Database
WELL 15 ENTRY POINT	Edina	10/31/2001	1,1-Dichloroethene	0.70	ug/L		Minnesota Department of Health Database
WELL 15 ENTRY POINT	Edina	7/23/2003	1,1-Dichloroethene	0.50	ug/L		Minnesota Department of Health Database
WELL 15 ENTRY POINT	Edina	7/14/2004	1,1-Dichloroethene	0.50	ug/L		Minnesota Department of Health Database
WELL 15 ENTRY POINT	Edina	8/28/2001	cis-1,2-Dichloroethene	2.60	ug/L		Minnesota Department of Health Database
WELL 15 ENTRY POINT	Edina	10/31/2001	cis-1,2-Dichloroethene	4.60	ug/L		Minnesota Department of Health Database
WELL 15 ENTRY POINT	Edina	6/26/2003	cis-1,2-Dichloroethene	1.50	ug/L		Minnesota Department of Health Database
WELL 15 ENTRY POINT	Edina	7/23/2003	cis-1,2-Dichloroethene	1.80	ug/L		Minnesota Department of Health Database
WELL 15 ENTRY POINT	Edina	7/14/2004	cis-1,2-Dichloroethene	6.70	ug/L		Minnesota Department of Health Database
WELL 15 ENTRY POINT	Edina	7/23/2003	Tetrachloroethene	0.20	ug/L		Minnesota Department of Health Database
WELL 15 ENTRY POINT	Edina	8/28/2001	trans-1,2-Dichloroethene	0.10	ug/L		Minnesota Department of Health Database
WELL 15 ENTRY POINT	Edina	10/31/2001	trans-1,2-Dichloroethene	0.30	ug/L		Minnesota Department of Health Database
WELL 15 ENTRY POINT	Edina	7/14/2004	trans-1,2-Dichloroethene	0.30	ug/L		Minnesota Department of Health Database
WELL 15 ENTRY POINT	Edina	8/28/2001	Trichloroethene	0.80	ug/L		Minnesota Department of Health Database

Table 2. Historical VOCs Data - MDH Database
City of Edina Well No. 7 Study - Phase II
STS Project No. 99613-XB

WELL 15 ENTRY POINT	Edina	10/31/2001	Trichloroethene	1.20	ug/L	Minnesota Department of Health Database
WELL 15 ENTRY POINT	Edina	6/26/2003	Trichloroethene	0.70	ug/L	Minnesota Department of Health Database
WELL 15 ENTRY POINT	Edina	7/23/2003	Trichloroethene	0.80	ug/L	Minnesota Department of Health Database
WELL 15 ENTRY POINT	Edina	7/14/2004	Trichloroethene	1.30	ug/L	Minnesota Department of Health Database
WELL 15 ENTRY POINT	Edina	10/31/2001	Vinyl chloride	0.70	ug/L	Minnesota Department of Health Database
WELL 15 ENTRY POINT	Edina	7/14/2004	Vinyl chloride	0.60	ug/L	Minnesota Department of Health Database
WELL 15 ENTRY POINT (SL112.5)	Edina	7/7/2000	1,1-Dichloroethene	0.60	ug/L	Minnesota Department of Health Database
WELL 15 ENTRY POINT (SL112.5)	Edina	7/7/2000	cis-1,2-Dichloroethene	3.20	ug/L	Minnesota Department of Health Database
WELL 15 ENTRY POINT (SL112.5)	Edina	7/7/2000	trans-1,2-Dichloroethene	0.30	ug/L	Minnesota Department of Health Database
WELL 15 ENTRY POINT (SL112.5)	Edina	7/7/2000	Trichloroethene	1.00	ug/L	Minnesota Department of Health Database
WELL 15 ENTRY POINT (SL112.5)	Edina	7/7/2000	Vinyl chloride	0.90	ug/L	Minnesota Department of Health Database
WELL 2	Edina	3/16/2004	cis-1,2-Dichloroethene	3.50	ug/L	Minnesota Department of Health Database
WELL 2	Edina	5/3/2004	cis-1,2-Dichloroethene	3.80	ug/L	Minnesota Department of Health Database
WELL 2	Edina	3/16/2004	trans-1,2-Dichloroethene	0.20	ug/L	Minnesota Department of Health Database
WELL 2	Edina	5/3/2004	trans-1,2-Dichloroethene	0.20	ug/L	Minnesota Department of Health Database
WELL 2	Edina	3/16/2004	Trichloroethene	0.40	ug/L	Minnesota Department of Health Database
WELL 2	Edina	5/3/2004	Trichloroethene	0.40	ug/L	Minnesota Department of Health Database
WELL 2	Edina	3/16/2004	Vinyl chloride	0.70	ug/L	Minnesota Department of Health Database
WELL 2	Edina	5/3/2004	Vinyl chloride	0.60	ug/L	Minnesota Department of Health Database
WELL 4	St. Louis Park	5/24/1996	Benzene	0.20	ug/L	Minnesota Department of Health Database
WELL 4	St. Louis Park	5/14/2004	Benzene	0.30	ug/L	Minnesota Department of Health Database
WELL 4	St. Louis Park	5/24/1996	cis-1,2-Dichloroethene	2.10	ug/L	Minnesota Department of Health Database
WELL 4	St. Louis Park	5/14/2004	cis-1,2-Dichloroethene	2.00	ug/L	Minnesota Department of Health Database
WELL 4	St. Louis Park	5/24/1996	trans-1,2-Dichloroethene	0.30	ug/L	Minnesota Department of Health Database
WELL 4	St. Louis Park	5/14/2004	trans-1,2-Dichloroethene	0.30	ug/L	Minnesota Department of Health Database
WELL 4	St. Louis Park	5/24/1996	Trichloroethene	2.60	ug/L	Minnesota Department of Health Database
WELL 4	St. Louis Park	5/14/2004	Trichloroethene	2.00	ug/L	Minnesota Department of Health Database
WELL 4	St. Louis Park	5/24/1996	Vinyl chloride	1.00	ug/L	Minnesota Department of Health Database
WELL 4	St. Louis Park	3/16/2004	Vinyl chloride	1.10	ug/L	Minnesota Department of Health Database
WELL 4	St. Louis Park	5/14/2004	Vinyl chloride	1.30	ug/L	Minnesota Department of Health Database
WELL 6	St. Louis Park	5/14/2004	Benzene	0.70	ug/L	Minnesota Department of Health Database
WELL 6	St. Louis Park	5/14/2004	cis-1,2-Dichloroethene	23.00	ug/L	Minnesota Department of Health Database
WELL 6	St. Louis Park	5/14/2004	trans-1,2-Dichloroethene	1.30	ug/L	Minnesota Department of Health Database
WELL 6	St. Louis Park	5/14/2004	Trichloroethene	7.50	ug/L	Minnesota Department of Health Database
WELL 6	St. Louis Park	5/14/2004	Vinyl chloride	4.00	ug/L	Minnesota Department of Health Database
WELL 7	Edina	3/22/1993	1,1-Dichloroethene	0.80	ug/L	Minnesota Department of Health Database
WELL 7	Edina	9/21/1993	1,1-Dichloroethene	0.40	ug/L	Minnesota Department of Health Database
WELL 7	Edina	9/7/1994	1,1-Dichloroethene	1.20	ug/L	Minnesota Department of Health Database
WELL 7	Edina	5/12/1995	1,1-Dichloroethene	0.60	ug/L	Minnesota Department of Health Database
WELL 7	Edina	6/17/1999	1,1-Dichloroethene	0.90	ug/L	Minnesota Department of Health Database
WELL 7	Edina	5/16/2001	1,1-Dichloroethene	0.60	ug/L	Minnesota Department of Health Database
WELL 7	Edina	3/22/1993	cis-1,2-Dichloroethene	0.70	ug/L	Minnesota Department of Health Database
WELL 7	Edina	9/21/1993	cis-1,2-Dichloroethene	0.30	ug/L	Minnesota Department of Health Database
WELL 7	Edina	9/7/1994	cis-1,2-Dichloroethene	1.00	ug/L	Minnesota Department of Health Database
WELL 7	St. Louis Park	9/27/1994	cis-1,2-Dichloroethene	2.40	ug/L	Minnesota Department of Health Database
WELL 7	Edina	10/4/1994	cis-1,2-Dichloroethene	0.40	ug/L	Minnesota Department of Health Database
WELL 7	Edina	5/12/1995	cis-1,2-Dichloroethene	0.60	ug/L	Minnesota Department of Health Database
WELL 7	Edina	8/10/1995	cis-1,2-Dichloroethene	0.60	ug/L	Minnesota Department of Health Database
WELL 7	Edina	9/26/1995	cis-1,2-Dichloroethene	0.20	ug/L	Minnesota Department of Health Database
WELL 7	Edina	5/29/1998	cis-1,2-Dichloroethene	2.80	ug/L	Minnesota Department of Health Database
WELL 7	Edina	6/17/1999	cis-1,2-Dichloroethene	1.50	ug/L	Minnesota Department of Health Database
WELL 7	Edina	5/16/2001	cis-1,2-Dichloroethene	5.50	ug/L	Minnesota Department of Health Database
WELL 7	St. Louis Park	9/27/1994	trans-1,2-Dichloroethene	0.40	ug/L	Minnesota Department of Health Database
WELL 7	Edina	6/17/1999	trans-1,2-Dichloroethene	0.10	ug/L	Minnesota Department of Health Database
WELL 7	Edina	5/16/2001	trans-1,2-Dichloroethene	0.30	ug/L	Minnesota Department of Health Database
WELL 7	Edina	3/22/1993	Trichloroethene	1.20	ug/L	Minnesota Department of Health Database
WELL 7	Edina	6/23/1993	Trichloroethene	0.40	ug/L	Minnesota Department of Health Database
WELL 7	Edina	9/21/1993	Trichloroethene	0.90	ug/L	Minnesota Department of Health Database
WELL 7	Edina	3/7/1994	Trichloroethene	0.40	ug/L	Minnesota Department of Health Database
WELL 7	Edina	9/7/1994	Trichloroethene	1.70	ug/L	Minnesota Department of Health Database
WELL 7	Edina	10/4/1994	Trichloroethene	0.60	ug/L	Minnesota Department of Health Database
WELL 7	Edina	5/12/1995	Trichloroethene	1.20	ug/L	Minnesota Department of Health Database
WELL 7	Edina	8/10/1995	Trichloroethene	0.70	ug/L	Minnesota Department of Health Database
WELL 7	Edina	9/26/1995	Trichloroethene	0.50	ug/L	Minnesota Department of Health Database
WELL 7	Edina	5/29/1998	Trichloroethene	0.80	ug/L	Minnesota Department of Health Database
WELL 7	Edina	6/17/1999	Trichloroethene	1.00	ug/L	Minnesota Department of Health Database
WELL 7	Edina	5/16/2001	Trichloroethene	1.30	ug/L	Minnesota Department of Health Database
WELL 7	Edina	5/16/2001	Vinyl chloride	0.70	ug/L	Minnesota Department of Health Database
WELL 7 - ANNUAL	Edina	6/6/1997	cis-1,2-Dichloroethene	2.20	ug/L	Minnesota Department of Health Database
WELL 7 - ANNUAL	Edina	6/6/1997	Trichloroethene	0.70	ug/L	Minnesota Department of Health Database
WELL 7 ANNUAL	Edina	9/3/1996	Trichloroethene	0.60	ug/L	Minnesota Department of Health Database
WELL 7 EFFI	Edina	5/23/2002	1,1-Dichloroethene	0.70	ug/L	Minnesota Department of Health Database
WELL 7 EFFI	Edina	5/23/2002	Benzene	0.40	ug/L	Minnesota Department of Health Database
WELL 7 EFFI	Edina	5/23/2002	cis-1,2-Dichloroethene	18.00	ug/L	Minnesota Department of Health Database
WELL 7 EFFI	Edina	5/23/2002	trans-1,2-Dichloroethene	0.80	ug/L	Minnesota Department of Health Database
WELL 7 EFFI	Edina	5/23/2002	Trichloroethene	2.00	ug/L	Minnesota Department of Health Database
WELL 7 EFFI	Edina	5/23/2002	Vinyl chloride	2.30	ug/L	Minnesota Department of Health Database
WELL 7 ENTRY POINT	Edina	10/29/2001	1,1-Dichloroethene	0.70	ug/L	Minnesota Department of Health Database
WELL 7 ENTRY POINT	Edina	6/26/2003	1,1-Dichloroethene	0.50	ug/L	Minnesota Department of Health Database
WELL 7 ENTRY POINT	Edina	7/23/2003	1,1-Dichloroethene	0.50	ug/L	Minnesota Department of Health Database

Table 2. Historical VOCs Data - MDH Database
City of Edina Well No. 7 Study - Phase II
STS Project No. 99613-XB

WELL 7 ENTRY POINT	Edina	8/28/2001	Benzene	0.30	ug/L	Minnesota Department of Health Database
WELL 7 ENTRY POINT	Edina	6/26/2003	Benzene	0.40	ug/L	Minnesota Department of Health Database
WELL 7 ENTRY POINT	Edina	7/23/2003	Benzene	0.50	ug/L	Minnesota Department of Health Database
WELL 7 ENTRY POINT	Edina	8/28/2001	cis-1,2-Dichloroethene	12.00	ug/L	Minnesota Department of Health Database
WELL 7 ENTRY POINT	Edina	10/29/2001	cis-1,2-Dichloroethene	11.00	ug/L	Minnesota Department of Health Database
WELL 7 ENTRY POINT	Edina	6/26/2003	cis-1,2-Dichloroethene	23.00	ug/L	Minnesota Department of Health Database
WELL 7 ENTRY POINT	Edina	7/23/2003	cis-1,2-Dichloroethene	24.00	ug/L	Minnesota Department of Health Database
WELL 7 ENTRY POINT	Edina	8/28/2001	trans-1,2-Dichloroethene	0.50	ug/L	Minnesota Department of Health Database
WELL 7 ENTRY POINT	Edina	10/29/2001	trans-1,2-Dichloroethene	0.70	ug/L	Minnesota Department of Health Database
WELL 7 ENTRY POINT	Edina	6/26/2003	trans-1,2-Dichloroethene	0.90	ug/L	Minnesota Department of Health Database
WELL 7 ENTRY POINT	Edina	7/23/2003	trans-1,2-Dichloroethene	0.90	ug/L	Minnesota Department of Health Database
WELL 7 ENTRY POINT	Edina	8/28/2001	Trichloroethene	1.30	ug/L	Minnesota Department of Health Database
WELL 7 ENTRY POINT	Edina	10/29/2001	Trichloroethene	0.90	ug/L	Minnesota Department of Health Database
WELL 7 ENTRY POINT	Edina	6/26/2003	Trichloroethene	1.50	ug/L	Minnesota Department of Health Database
WELL 7 ENTRY POINT	Edina	7/23/2003	Trichloroethene	1.70	ug/L	Minnesota Department of Health Database
WELL 7 ENTRY POINT	Edina	8/28/2001	Vinyl chloride	1.20	ug/L	Minnesota Department of Health Database
WELL 7 ENTRY POINT	Edina	10/29/2001	Vinyl chloride	1.60	ug/L	Minnesota Department of Health Database
WELL 7 ENTRY POINT	Edina	6/26/2003	Vinyl chloride	3.10	ug/L	Minnesota Department of Health Database
WELL 7 ENTRY POINT	Edina	7/23/2003	Vinyl chloride	3.10	ug/L	Minnesota Department of Health Database
WELL 7 ENTRY POINT (SL166-6)	Edina	7/7/2000	1,1-Dichloroethene	1.00	ug/L	Minnesota Department of Health Database
WELL 7 ENTRY POINT (SL166-6)	Edina	7/7/2000	cis-1,2-Dichloroethene	2.40	ug/L	Minnesota Department of Health Database
WELL 7 ENTRY POINT (SL166-6)	Edina	7/7/2000	trans-1,2-Dichloroethene	0.20	ug/L	Minnesota Department of Health Database
WELL 7 ENTRY POINT (SL166-6)	Edina	7/7/2000	Trichloroethene	0.80	ug/L	Minnesota Department of Health Database
WELL 7 ENTRY POINT (SL166-6)	Edina	7/7/2000	Vinyl chloride	0.70	ug/L	Minnesota Department of Health Database
WELL 8	Edina	5/12/1995	Benzene	0.20	ug/L	Minnesota Department of Health Database
WELL 8	Edina	5/12/1995	Ethylbenzene	0.80	ug/L	Minnesota Department of Health Database
WELL 8	Edina	5/12/1995	Toluene	0.20	ug/L	Minnesota Department of Health Database
WELL NO 14	St. Louis Park	3/30/1994	cis-1,2-Dichloroethene	20.00	ug/L	Minnesota Department of Health Database
WELL NO 14	St. Louis Park	3/30/1994	Ethylbenzene	1.20	ug/L	Minnesota Department of Health Database
WELL NO 14	St. Louis Park	3/30/1994	trans-1,2-Dichloroethene	6.10	ug/L	Minnesota Department of Health Database
WELL NO 14	St. Louis Park	3/30/1994	Trichloroethene	2.00	ug/L	Minnesota Department of Health Database

Table 3. Wells Sampled by STS Consultants
City of Edina Well No. 7 Study - Phase II
STS Project No. 99613-XB

WELLNAME	MN Unique No.	Sampling Methodology Discrete (D) or Low-Flow	Aquifer	Depth Completed ft CWI	Casing Depth ft CWI	Depth to Water ft CWI	Depth to Bottom of Well ft STS	Depth to Water ft STS
P 8	00216117	L	Drift				13	10.11
P 9	00216118	L	Drift				14	10.39
P 58	00227944	L	Drift				12	5.11
P112	00216166	L	Drift	51	48		52	23.12
P304	00439765	L	Drift				36	9.28
W-2	00216031	D	Drift	36	33	14	32	12.48
W9	00216037	D	Drift	25	20	8	25	9.00
W10	00216038	D	Drift	29	25	8	28	7.90
W15	00216043	D	Drift	76	73	13	68	10.69
W16	00216044	D	Drift	64	61	11	63	10.63
W22	00200993	D	Drift	91	71	6	31	12.88
W423	00439813	D	Drift				47.3	36.25
MONITOR WELL W-18	00216046	D	Platteville	78	71	10	78	12.10
W 429	00439724	D	Platteville				81	10.18
W124	00165579	D	Platteville	86	74	30	87	22.06
W132	00165587	D	Platteville	93	86	75	92	33.15
W424	00439809	D	Platteville	110	100	36	112	35.67
P 62	00227948	D	Platteville				122	47.47
MONITOR WELL W-14	00114472	D	St. Peter	95	86	26	81	25.47
W21	00216049	D	St. Peter	92	92	25	61	25.81

Table 4. Water Level Measurements in the City of St. Louis Park Wells
City of Edina Well No. 7 Study - Phase II
STS Project No. 99613-XB

						2001						2002						2003						2005 - STS measured			Comparisons	
						Spring			Fall			Spring			Fall			Spring			Fall			Spring/Summer				
WELL	WELLNAME	MN Unique Well Number	UTME	UTMN	Monitor Point El	DATE	DEPTH TO WATER	Water Elevation	DATE	DEPTH TO WATER	Water Elevation	DATE	DEPTH TO WATER	Water Elevation	DATE	DEPTH TO WATER	Water Elevation	DATE	DEPTH TO WATER	Water Elevation	DATE	DEPTH TO WATER	Water Elevation	DATE	DEPTH TO WATER	Water Elevation	Average Spring/Fall Water Level in 01-03	Water Level in 2005 Compared to Average Spring/Fall Water Level in 01-03
			m	m	ft		ft	ft		ft	ft		ft	ft		ft	ft		ft	ft		ft	ft		ft	ft		
Drift Wells																												
P112	P-112	0000216166	471548	4975590	903.8	4/18/2001	23.17	880.63	9/21/2001	21.59	882.21	6/21/2002	21.62	882.18	9/27/2002	20.52	883.28	4/18/2003	21.74	882.06	8/1/2003	20.55	883.25	6/16/2005	24.03	879.77	882.27	-2.50
P307	P-102	0000462926	471915	4976110	913.1	4/18/2001	32.11	880.99				6/21/2002	30.55	882.55	9/27/2002	29.40	883.70	4/18/2003	30.42	882.68	8/1/2003	29.31	883.79	6/15/2005	31.83	881.27	882.74	-1.47
P309	P-112	0000462928	471548	4975590	925.16	4/18/2001	44.92	880.24				6/21/2002	43.27	881.89	9/27/2002	41.09	884.07	4/18/2003	43.09	882.07	8/1/2003	41.91	883.25	6/17/2005	45.51	879.65	882.30	-2.65
P312		0000462932			919.47	4/18/2001	43.03	876.44	9/21/2001	40.78	878.69	6/21/2002	41.60	877.87	9/27/2002	40.14	879.33	4/18/2003	41.36	878.11	8/1/2003	40.28	879.19	6/17/2005	44.05	875.42	878.27	-2.85
W10	CITY OF ST.LOUIS PK/ENSR	0000216038	471875	4975885	892.03	4/18/2001	7.30	884.73	9/21/2001	7.24	884.79	6/21/2002	6.55	885.48	9/27/2002	5.62	886.41	4/18/2003	4.10	887.93	8/1/2003	6.73	885.30	6/17/2005	7.20	884.83	885.77	-0.94
W15	CITY OF ST. LOUIS PARK	0000216043	470507	4976230	895	4/18/2001	8.46	886.54	9/21/2001	9.06	885.94	6/21/2002	3.60	891.40	9/27/2002	8.34	886.66	4/18/2003	4.20	890.80	8/1/2003	8.50	886.50	6/17/2005	11.63	883.37	887.97	-4.60
W116	MONITOR WELL W-9	0000160030	470978	4976020	909.54	4/18/2001	36.13	873.41	9/21/2001	33.88	875.66	6/21/2002	34.59	874.95	9/27/2002	33.49	876.05	4/18/2003	34.82	874.72	8/1/2003	33.79	875.75	6/17/2005	36.20	873.34	875.09	-1.75
W128	MONITOR WELL W-11	0000165583	471205	4976017	922.89	4/18/2001	49.39	873.50	9/21/2001	46.62	876.27	6/21/2002	47.56	875.33	9/27/2002	46.09	876.80	4/18/2003	47.11	875.78	8/1/2003	48.34	874.55	6/15/2005	49.21	873.68	875.37	-1.69
W136	CITY OF ST. LOUIS PARK	0000165591	470502	4976228	919.17	4/18/2001	40.44	878.73	9/21/2001	37.46	881.71	6/21/2002	37.90	881.27	9/27/2002	36.75	882.42	4/18/2003	37.78	881.39	8/1/2003	36.97	882.20	6/17/2005	39.85	879.32	881.29	-1.97
W425	U.S.G.S. WELL W-128	0000439814	471934	4975565	923.76				9/21/2001	39.67	884.09													6/15/2005	41.69	882.07	884.09	-2.02
																											Average:	**-2.25**
Platteville Wells															*Platteville*													
W1		0000216030			922.78	4/18/2001	45.12	877.66	9/21/2001	43.18	879.60	6/21/2002	43.71	879.07	9/27/2002	42.79	879.99	4/18/2003	44.16	878.62	8/1/2003	42.66	880.12	6/16/2005	50.07	872.71	879.18	-6.47
W18		0000216046			893.27	4/18/2001	11.71	881.56	9/21/2001	10.45	882.82	6/21/2002	10.35	882.92	9/27/2002	9.57	883.70	4/18/2003	9.81	883.46	8/1/2003	9.86	883.41	6/16/2005	11.87	881.40	882.98	-1.58
W19		0000216047			894.49	4/18/2001	11.61	882.88	9/21/2001	10.53	883.96	6/21/2002	10.48	884.01	9/27/2002	9.87	884.62	4/18/2003	10.88	883.61	8/1/2003	10.40	884.09	6/16/2005	dry		883.86	
W100	MONITOR WELL W-18	0000149710	470975	4976016	899.71	4/18/2001	11.81	887.90				6/21/2002	10.42	889.29				4/18/2003	10.63	889.08	8/1/2003	9.59	890.12	6/15/2005	11.71	888.00	889.10	-1.10
W120	REPUBLIC CREOSOTE CO.	0000165576	470607	4976522	919.9	4/18/2001	45.15	874.75	9/21/2001	43.39	876.51	6/21/2002	44.30	875.60	9/27/2002	42.77	877.13	4/18/2003	44.56	875.34	8/1/2003	42.85	877.05	6/17/2005	46.92	872.98	876.06	-3.08
W121	LAKELAND DOOR CO.	0000165577	470667	4976172	922.85	4/18/2001	50.39	872.46	9/21/2001	47.63	875.22	6/21/2002	48.76	874.09	9/27/2002	47.36	875.49	4/18/2003	48.32	874.53				6/15/2005	50.40	872.45	874.36	-1.91
W123	BILL TERRY EXCAVATING CO	0000165580	470865	4976343	909.36																			6/15/2005	34.30	875.06		
W130	U.S.G.S. WELL NO. 100	0000165585	470407	4977169	894.83	4/18/2001	20.56	874.27	9/21/2001	19.03	875.80	6/21/2002	19.50	875.33	9/27/2002	18.02	876.81	4/18/2003	18.94	875.89	8/1/2003	19.14	875.69	6/16/2005	21.10	873.73	875.63	-1.90
W132	MONITOR WELL W-115	0000165587	470970	4975409	904.95				9/21/2001	30.97	873.98													6/16/2005	34.10	870.85	873.98	-3.13
W424	ST. LOUIS PARK A-D	0000439809	471229	4976743	917.57	4/18/2001	35.76	881.81	9/21/2001	33.93	883.64	6/21/2002	34.25	883.32	9/27/2002	33.22	884.35	4/18/2003	34.04	883.53	8/1/2003	33.30	884.27	6/16/2005	35.53	882.04	883.49	-1.45
W426	ST. LOUIS PARK B-D	0000439812	471024	4976414	923.91	4/18/2001	42.36	881.55	9/21/2001	40.29	883.62	6/21/2002	40.89	883.02	9/27/2002	39.78	884.13	4/18/2003	40.79	883.12	8/1/2003	39.61	884.30	6/15/2005	41.13	882.78	883.29	-0.51
W428	U.S.G.S. W-130	0000439810	471352	4975457	919.4	4/18/2001	40.79	878.61	9/21/2001	38.15	881.25	6/21/2002	38.97	880.43	9/27/2002	37.56	881.84	4/18/2003	38.85	880.55	8/1/2003	37.70	881.70	6/15/2005	40.11	879.29	880.73	-1.44
W431	0	0000462935	471464	4975822	922.77	4/18/2001	47.82	874.95	9/21/2001	45.19	877.58	6/21/2002	45.99	876.78	9/27/2002	44.54	878.23	4/18/2003	45.67	877.10	8/1/2003	45.00	877.77	6/17/2005	48.50	874.27	877.07	-2.80
W433	ST. LOUIS PARK A-D	0000462933	471229	4976743	925.84	4/18/2001	48.31	877.53	9/21/2001	45.77	880.07	6/21/2002	46.55	879.29	9/27/2002	45.13	880.71	4/18/2003	46.26	879.58	8/1/2003	45.19	880.65	6/15/2005	47.73	878.11	879.64	-1.53
W437		0000498917			920	4/18/2001	31.45	888.55	9/21/2001	29.67	890.33	6/21/2002	29.97	890.03	9/27/2002	28.95	891.05	4/18/2003	29.76	890.24	8/1/2003	29.06	890.94	6/15/2005	31.29	888.71	890.19	-1.48
																											Average:	**-2.18**
St. Peter Wells																												
SLP3	ST. LOUIS PARK 3	0000206440	471026	4977534	925.06							6/21/2002	54.08	870.98	9/27/2002	51.60	873.46							6/17/2005	55.00	870.06	872.22	-2.16
W14		0000114472			891.49																			6/17/2005	239.50	651.99		
W122		0000165578			918.58	4/18/2001	59.67	858.91	9/21/2001	61.11	857.47	6/21/2002	62.04	856.54	9/27/2002	60.32	858.26	4/18/2003	59.77	858.81	8/1/2003	63.02	855.56	6/17/2005	60.52	858.06	857.59	0.47
W129	ST. LOUIS PARK 3	0000165584	471026	4977534	916.33	4/18/2001	48.95	867.38	9/21/2001	47.76	868.57	6/21/2002	48.68	867.65	9/27/2002	46.96	869.37	4/18/2003	47.67	868.66	8/1/2003	48.28	868.05	6/15/2005	50.05	866.28	868.28	-2.00
W133	P-113	0000165588	472150	4975502	921.06	4/18/2001	56.90	864.16	9/21/2001	56.71	864.35	6/21/2002	57.85	863.21	9/27/2002	56.25	864.81	4/18/2003	56.13	864.93	8/1/2003	59.05	862.01	6/15/2005	58.54	862.52	863.91	-1.39
W408	P-116	0000432037	473072	4976114	923.53	4/18/2001	51.71	871.82	9/21/2001	54.12	869.41	6/21/2002	51.69	871.84	9/27/2002	50.33	873 20	4/18/2003	51.00	872.53	8/1/2003	57.41	866.12	6/16/2005	52.75	870.78	870.82	-0.04
W409	MONITOR WELL W-14	0000432036	470976	4976019	923.56	4/18/2001	53.81	869.75	9/21/2001	55.16	868.40	6/21/2002	54.20	869.36	9/27/2002	52.65	870.91	4/18/2003	52.98	870.58	8/1/2003	57.29	866.27	6/15/2005	56.15	867.41	869.21	-1.80
W411	ROBINSON RUBBER CO.	0000432035	471260	4976027	896.25	4/18/2001	31.11	865.14	9/21/2001	31.05	865.20	6/21/2002	31.94	864.31	9/27/2002	29.96	866.29	4/18/2003	29.85	866.40	8/1/2003	32.81	863.44	6/17/2005	32.25	864.00	865.13	-1.13
																											Average:	**-1.15**
Prairie Du Chien / Jordan Wells																												
W48	METHODIST HOSPITAL	0000216067	471401	4975240	893.93	4/18/2001	82.99	810.94	9/21/2001	88.98	804.95	6/21/2002	98.15	795.78				4/18/2003	80.96	812.97				6/17/2005	86.32	807.61	806.16	1.45
W119	MEADOWBROOK GOLF COURSE	0000216009	471217	4974590	895.85																			6/14/2005	97.12	798.73		
W403	FLAME INDUSTRIES	0000439751	470671	4975759	868.21	4/18/2001	55.77	812.44	9/21/2001	60.14	808.07	6/21/2002	65.72	802.49	9/27/2002	60.17	808.04	4/18/2003	53.49	814.72	8/1/2003	72.13	796.08	6/17/2005	56.79	811.42	806.97	4.45
SLP 5	ST. LOUIS PARK 5	0000203196	469653	4976568	927.13	4/18/2001	116.10	811.03	9/21/2001	122.85	804.28	6/21/2002	134.51	792.62	9/27/2002	126.83	800.30							6/17/2005	127.90	799.23	802.06	-2.83
SLP 7	ST. LOUIS PARK 7	0000206436	470699	4978378	903.49	4/18/2001	91.65	811.84	9/21/2001	98.20	805.29	6/21/2002	108.00	795.49	9/27/2002	101.20	802.29				8/1/2003	152.68	750.81	6/17/2005	96.43	807.06	793.14	13.92
SLP 8	ST. LOUIS PARK 8	0000203678	468215	4979510	940.07	4/18/2001	128.60	811.47				6/21/2002	176.69	763.38							8/1/2003	181.09	758.98	6/17/2005	157.75	782.32	777.94	4.38
SLP 10	ST. LOUIS PARK 10	0000206442	470979	4977506	927.81	4/18/2001	119.30	808.51	9/21/2001	126.95	800.86	6/21/2002	142.26	785.55	9/27/2002	132.60	795.21				8/1/2003	190.70	737.11	6/17/2005	169.30	758.51	785.45	-26.94
																											Average:	**-0.93**

Table 5A
Groundwater Analytical Results - Drift Wells
Edina Well No. 7 Study - Phase II
STS Project 99613-XB

Detected Contaminants		Drinking Water Standard		Well Name:	P 8	P 9	P 58	P109	P112	P112	P112	P304	P305	P307	P307D	P308	P309	P310	P312	W W WOLD & L M WOLD	W-2
				CWI Name:																JOHN ANDERSON	
				MN Unique Well No.:	00216117	00216118	00227944	00216194	00216166	00216166	00216166	00439765	00439765	00462926	00462926	00462927	00462928	00462929	00462932	00206547	00216031
				Aquifer:	Drift	Drift	Drift	Drift	Drift	Drift	Drift	Drift	Drift	Drift	Drift	Drift	Drift	Drift	Drift	Drift-PDCJ	Drift
				STS Sample ID:	P 8	P 9	P 58		P112	P112	P113	P304	P305							PRI. #4	W-2
				MDH Sample No:	200514577	200514581	200514580		200508514	200514578	200514579	200514574	200514575							200430253	200514049
				Sample Date:	6/7/2005	6/8/2005	6/7/2005	4/26/2005	4/25/2005	6/7/2005	6/7/2005	6/6/2005	6/6/2005	4/25/2005	4/25/2005	4/25/2005	4/25/2005	4/25/2005	4/26/2005	10/27/04	6/3/2005
				Notes:	Low Flow Sample	Low Flow Sample	Low Flow Sample	ENSR Split Sample	ENSR split sample	Low Flow Sample	Low Flow Sample, *Duplicate*	Low Flow Sample	Low Flow Sample, *Duplicate*	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	Spigot Water Sample	Discrete Sample
Benzene	ug/L	10	HRL		**0.5**	<0.2	<0.2	**13.0**	<0.2	**0.3**	**0.4**	<0.2	<0.2	<0.2	<0.2	**13.0**	**1.3**	**0.6**	<0.2	<0.2	<0.2
n-Butylbenzene	ug/L	--			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chlorodibromoethane	ug/L	80	HRL		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroethane	ug/L	300	HRL		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroform	ug/L	60	HRL		<0.1	<0.1	<0.1	**0.1**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	**0.2**	<0.1	<0.1
1,1-Dichloroethane	ug/L	70	HRL		<0.2	<0.2	<0.2	**0.7**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	**0.3**	<0.2	**0.2**	<0.2	<0.2	<0.2
1,2-Dichloroethane	ug/L	4	HRL		<0.2	<0.2	<0.2	**0.4**	<0.2	**0.3**	**0.3**	<0.2	<0.2	<0.2	<0.2	**0.5**	<0.2	<0.2	<0.2	<0.2	<0.2
1,1-Dichloroethene	ug/L	6	HRL		<0.5	<0.5	<0.5	**14.0**	<0.5	**0.6**	**0.9**	<0.5	<0.5	<0.2	<0.2	**12**	<0.2	<0.2	<0.2	<0.5	<0.5
cis-1,2-Dichloroethene	ug/L	70	HRL		**98**	<0.2	<0.2	**3800.0**	**0.7**	**2.6**	**3.5**	<0.2	<0.2	**0.6**	<0.2	**2100.0**	<0.2	**0.5**	**1.9**	<0.2	**0.2**
trans-1,2-Dichloroethene	ug/L	100	HRL		**23**	<0.1	<0.1	**61**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	**55**	**1.2**	**0.1**	<0.1	<0.1	<0.1
Dichlorodifluoromethane	ug/L	1000	HRL		<1.0	<1.0	<1.0	**1.1**	<1.0	<1.0	<1.0	<1.0	<1.0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<1.0
Dichlorofluoromethane	ug/L	--			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	ug/L	700	HRL		<0.5	<0.5	<0.5	**0.7**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**1.8**	<0.5	<0.5	<0.5	<0.5	<0.5
Isopropylbenzene	ug/L	300	HRL*		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**1**	<0.5	<0.5	<0.5	<0.5	<0.5
p-Isopropyltoluene	ug/L	--			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Methylene chloride (Dichloron	ug/L	50	HRL		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Naphthalene	ug/L	300	HRL		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.0**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
n-Propylbenzene	ug/L	--			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Styrene	ug/L	100	MCL		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethene	ug/L	7	HRL		<0.2	<0.2	<0.2	**1000.0**	**0.4**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	**0.3**	**560.0**	<0.2	<0.2	**3.9**	<0.2	<0.2
Tetrahydrofuran	ug/L	100	HBV		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Toluene	ug/L	1000	HRL		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,1-Trichloroethane	ug/L	600	HRL		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Trichloroethene (TCE)	ug/L	30	HRL		**23**	<0.1	<0.1	**690.0**	**0.2**	**0.3**	**0.4**	**0.1**	<0.1	**0.3**	<0.1	**420.0**	<0.1	<0.1	**2.5**	<0.1	<0.1
1,2,4-Trimethylbenzene	ug/L	--			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,3,5-Trimethylbenzene	ug/L	--			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Vinyl Chloride	ug/L	0.2	HRL		**6.2**	<0.2	<0.2	**44.0**	<0.2	**3.5**	**4.7**	<0.2	<0.2	<0.2	<0.2	**130.0**	**1.5**	**2.1**	<0.2	<0.2	<0.2
o-Xylene	ug/L	--			<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
p&m-Xylene	ug/L	--			<0.3	<0.3	<0.3	**0.6**	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	**0.8**	<0.3	<0.3	<0.3	<0.3	<0.3
Xylene (total)	ug/L	10000	HRL		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Notes:

Bold face - detect

0.4 - detected concentration exceeds drinking water criteria

* - due to new research, the MDH no longer recommends the HRL value

HBV - Health Based Values derived by Minnesota Department of Health

HRL - Health Risk Level derived and promulgated in rule by Minnesota Department of Health

MCL - Maximum Contaminant Level (USEPA)

Table 5A
Groundwater Analytical Results - Drift Wells
Edina Well No. 7 Study - Phase II
STS Project 99613-XB

Detected Contaminants			Drinking Water Standard		Well Name:	W9	W10	W15	W16	W17	W22	W117	W136	W136 - DUP	W420	W420	W422	W423	W425	W427	W439 - U.S.G.S. NO. 135	W439
					CWI Name:										W420 - U.S.G.S. WELL NO. 100						W439 - U.S.G.S. NO. 135	
					MN Unique Well No.:	00216037	00216038	,00216043	00216044	00216044	00200993	00160031	00165591	00165591	00434405	00434045	00434043	00439813	00439813	00439811	00538134	00538134
					Aquifer:	Drift	Drift	Drift	Drift	Drift	Drift	Drift	Drift	Drift	Drift	Drift	Drift	Drift	Drift	Drift	Drift	Drift
					STS Sample ID:	W9	W10	W15	W16	W17	W22				SLP 420			W423	W425		SLP 439	
					MDH Sample No:	*200514042*	*200514045*	*200514030*	*200514043*	*200514047*	*200514041*				*200432995*			*200514029*	*200514036*		*200432994*	
					Sample Date:	6/3/2005	6/3/2005	6/2/2005	6/3/2005	6/3/2005	6/3/2005	4/26/2005	4/26/2005	4/26/2005	12/9/2004	5/2/2005	4/26/2005	6/2/2005	6/2/2005	4/26/2005	12/9/2004	4/25/2005
					Notes:	Discrete Sample	Discrete Sample	Discrete Sample	Discrete Sample	Discrete Sample, Duplicate	Discrete Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	Spigot Water Sample	ENSR Split Sample	ENSR Split Sample	Discrete Sample	Discrete Sample, Duplicate	ENSR Split Sample	Spigot Water Sample	ENSR Split Sample
Benzene	ug/L	10	HRL			**14**	<0.2	<0.2	<0.2	<0.2	**0.8**	**8.2**	**16.0**	**18.0**	**84**	**100.0**	**55.0**	<0.2	<0.2	**0.4**	**71**	<0.2
n-Butylbenzene	ug/L	--				<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**1.9**	<0.5	<0.5	<0.5	<0.5	<0.5
Chlorodibromoethane	ug/L	80	HRL			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.5**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroethane	ug/L	300	HRL			**0.5**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**2.3**	<0.5	<0.5	**0.5**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroform	ug/L	60	HRL			**0.1**	<0.1	**0.6**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	**0.1**	<0.1	<0.1	<0.1	<0.1	<0.1	**0.1**
1,1-Dichloroethane	ug/L	70	HRL			<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	**0.5**	<0.2	<0.2	<0.2	<0.2	<0.2	**0.4**
1,2-Dichloroethane	ug/L	4	HRL			<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	**0.4**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	**0.4**	<0.2	<0.2
1,1-Dichloroethene	ug/L	6	HRL			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**1.3**	**2.3**	<0.2	<0.5	**0.4**	<0.2	<0.5	<0.5	**0.9**	<0.5	<0.2
cis-1,2-Dichloroethene	ug/L	70	HRL			<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	**330.0**	**630.0**	**590.0**	**21**	**28**	4.7	<0.2	<0.2	**4.1**	**2.3**	**0.6**
trans-1,2-Dichloroethene	ug/L	100	HRL			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	**13**	**74**	**76**	**18**	**23**	**1.1**	<0.1	<0.1	<0.1	**1.0**	**0.3**
Dichlorodifluoromethane	ug/L	1000	HRL			<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.1	<0.1	<0.1	<1.0	<0.1	<0.1	<1.0	<1.0	<0.1	<1.0	**2.4**
Dichlorofluoromethane	ug/L	--				<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**3**
Ethylbenzene	ug/L	700	HRL			**16**	<0.5	<0.5	<0.5	<0.5	**0.6**	**1.6**	**24**	**24**	**98**	**51**	**110**	<0.5	<0.5	<0.5	**110**	<0.5
Isopropylbenzene	ug/L	300	HRL*			**2.9**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**2.6**	**2.8**	**9.9**	**9.6**	**12**	<0.5	<0.5	<0.5	**11**	<0.5
p-Isopropyltoluene	ug/L	--				<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**2.2**	<0.5	**1.2**	<0.5	<0.5	<0.5	<0.5	<0.5
Methylene chloride (Dichloron	ug/L	50	HRL			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Naphthalene	ug/L	300	HRL			**660**	<1.0	<1.0	<1.0	<1.0	**2.7**	**4**	**7.5**	**3.5**	**2400**	**3100.0**	**1100.0**	<1.0	<1.0	**14**	**1000**	<1.0
n-Propylbenzene	ug/L	--				**0.8**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.8**	**0.9**	**3.8**	**2.8**	**8.9**	<0.5	<0.5	<0.5	**9.8**	<0.5
Styrene	ug/L	100	MCL			**0.9**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**1.9**	<0.5	**3.6**	<0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethene	ug/L	7	HRL			<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	**11.0**	**2800.0**	**2700.0**	<0.2	<0.2	**1.6**	<0.2	<0.2	**5**	<0.2	<0.2
Tetrahydrofuran	ug/L	100	HBV			<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Toluene	ug/L	1000	HRL			**1.2**	<0.5	<0.5	**1.1**	**1.1**	**4.3**	<0.5	**0.8**	**0.9**	**4.4**	**3.8**	**5.4**	**2.6**	**3.6**	<0.5	**8.1**	<0.5
1,1,1-Trichloroethane	ug/L	600	HRL			<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Trichloroethene (TCE)	ug/L	30	HRL			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	**5.3**	**1900.0**	**1800.0**	**2.6**	**1.7**	**0.9**	<0.1	<0.1	**0.6**	**0.1**	**0.2**
1,2,4-Trimethylbenzene	ug/L	--				**14**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**35**	**46**	**84**	<0.5	<0.5	<0.5	**43**	<0.5
1,3,5-Trimethylbenzene	ug/L	--				**2.0**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.6**	**0.6**	**15**	**16**	**13**	<0.5	<0.5	<0.5	**8.5**	<0.5
Vinyl Chloride	ug/L	0.2	HRL			<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	**160.0**	**62.0**	**63.0**	**8.7**	**12.0**	**1.9**	<0.2	<0.2	**6.1**	**1.9**	**1.2**
o-Xylene	ug/L	--				**17**	<0.2	<0.2	<0.2	<0.2	**0.4**	**0.5**	**1.1**	**1.2**	**51**	**60**	**88**	<0.2	<0.2		**74**	<0.2
p&m-Xylene	ug/L	--				**11**	<0.3	<0.3	<0.3	<0.3	**0.3**	**0.8**	**1.4**	**1.4**	**98**	**100**	**97**	<0.3	<0.3	**0.3**	**120**	<0.3
Xylene (total)	ug/L	10000	HRL			**28**	<0.5	<0.5	<0.5	<0.5	**0.7**	<0.5	<0.5	<0.5	**149**	<0.5	<0.5	<0.5	<0.5	<0.5	**194**	<0.5

Notes:

Bold face - detect

0.4 - detected concentration exceeds drinking water criteria

* - due to new research, the MDH no longer recommends the HRL value

HBV - Health Based Values derived by Minnesota Department of Health

HRL - Health Risk Level derived and promulgated in rule by Minnesota Department of Health

MCL - Maximum Contaminant Level (USEPA)

Table 5B
Groundwater Analytical Results - Platteville Formation Wells
Edina Well No. 7 Study - Phase II
STS Project 99613-XB

Detected Contaminants			Drinking Water Standard	Well Name:	W18	W20	W27	P 62	W101	W124	W131	W132	W143	W421	W421	W424	W426
				CWI Name:										W421 - U.S.G.S. WELL W-121			
				MN Unique Well No.:	00216046	00216048	00216052	00227948	00149711	00165579	00165586	00165587	00216051	00434044	00434044	00439809	00439812
				Aquifer:	Platteville	Platteville	Platteville	Platteville	Platteville	Platteville	Platteville	Platteville	Platteville	Platteville	Platteville	Platteville	Platteville
				STS Sample ID:	W18			P 62		W124		W132		SLP 421		W424	
				MDH Sample No:	200514048			200514034		200514035		200514033		200432996		200514028	
				Sample Date:	6/3/2005	5/2/2005	5/2/2005	6/2/2005	5/2/2005	6/2/2005	5/3/2005	6/2/2005	5/3/2005	12/9/2004	5/3/2005	6/2/2005	5/2/2005
				Notes:	Discrete Sample	ENSR Split Sample	ENSR Split Sample	Discrete Sample	ENSR Split Sample	Discrete Sample	ENSR Split Sample	Discrete Sample	ENSR Split Sample	Spigot Water Sample	ENSR Split Sample	Discrete Sample	ENSR Split Sample
Benzene	ug/L	10	HRL		**6.1**	**0.9**	**39.0**	**0.3**	**13.0**	<0.2	<0.2	**1.4**	**1.1**	**28**	**32.0**	<0.2	**0.8**
n-Butylbenzene	ug/L	--			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.5**	<0.5	<0.5	<0.5
Chlorodibromoethane	ug/L	80	HRL		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroethane	ug/L	300	HRL		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroform	ug/L	60	HRL		<0.1	**0.1**	**0.1**	<0.1	**0.1**	<0.1	**0.1**	<0.1	<0.1	<0.1	<0.1	<0.1	**0.1**
1,1-Dichloroethane	ug/L	70	HRL		<0.2	<0.2	<0.2	<0.2	**0.3**	**0.6**	<0.2	**0.3**	<0.2	**0.3**	**3.9**	<0.2	<0.2
1,2-Dichloroethane	ug/L	4	HRL		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,1-Dichloroethene	ug/L	6	HRL		<0.5	<0.2	<0.2	<0.5	<0.2	<0.5	<0.2	<0.5	<0.2	**2.3**	<0.2	<0.5	<0.2
cis-1,2-Dichloroethene	ug/L	70	HRL		**7.2**	**1**	<0.2	**0.8**	**0.8**	<0.2	**0.3**	<0.2	**14**	**410**	**810.0**	<0.2	<0.2
trans-1,2-Dichloroethene	ug/L	100	HRL		**11**	<0.1	<0.1	**0.2**	**1.8**	<0.1	<0.1	<0.1	**4.7**	**260**	**330.0**	<0.1	**0.1**
Dichlorodifluoromethane	ug/L	1000	HRL		<1.0	<0.1	<0.1	<1.0	<0.1	<1.0	<0.1	<1.0	<0.1	<1.0	<0.1	<1.0	<0.1
Dichlorofluoromethane	ug/L	--			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	ug/L	700	HRL		<0.5	<0.5	**15**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**31**	**31**	<0.5	**13**
Isopropylbenzene	ug/L	300	HRL*		<0.5	<0.5	**2.2**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**4.8**	**5**	<0.5	**4.3**
p-Isopropyltoluene	ug/L	--			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**1.2**
Methylene chloride (Dichloror	ug/L	50	HRL		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Naphthalene	ug/L	300	HRL		<1.0	**2.5**	**22**	<1.0	**29**	<1.0	**6.2**	<1.0	**6.3**	**360**	**230**	<1.0	**9.6**
n-Propylbenzene	ug/L	--			<0.5	<0.5	**0.5**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**2.1**	**1.6**	<0.5	**1.6**
Styrene	ug/L	100	MCL		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethene	ug/L	7	HRL		<0.2	**5.1**	<0.2	<0.2	<0.2	<0.2	**12**	<0.2	**22.0**	**42.0**	**27.0**	<0.2	<0.2
Tetrahydrofuran	ug/L	100	HBV		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Toluene	ug/L	1000	HRL		**0.5**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**2.5**	**2**	**32**	**0.6**
1,1,1-Trichloroethane	ug/L	600	HRL		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Trichloroethene (TCE)	ug/L	30	HRL		**0.6**	**2.9**	<0.1	<0.1	<0.1	<0.1	**2.7**	<0.1	**93.0**	**760.0**	**259.0**	<0.1	<0.1
1,2,4-Trimethylbenzene	ug/L	--			<0.5	<0.5	**0.6**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**5.9**	**7.8**	<0.5	**13**
1,3,5-Trimethylbenzene	ug/L	--			<0.5	<0.5	**0.5**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**2.4**	**3.2**	<0.5	**8.5**
Vinyl Chloride	ug/L	0.2	HRL		**3.8**	**0.4**	<0.2	**0.2**	**0.6**	<0.2	<0.2	**0.7**	**2.4**	**100.0**	**150.0**	<0.2	<0.2
o-Xylene	ug/L	--			<0.2	<0.2	**3**	<0.2	**0.7**	<0.2	<0.2	<0.2	<0.2	**16**	**20**	<0.2	**6.5**
p&m-Xylene	ug/L	--			<0.3	<0.3	**1.1**	<0.3	**0.5**	<0.3	<0.3	<0.3	<0.3	**14**	**13**	<0.3	**3.5**
Xylene (total)	ug/L	10000	HRL		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**30**	<0.5	<0.5	<0.5

Notes:

Bold face - detect

0.4 - detected concentration exceeds drinking water criteria

* - due to new research, the MDH no longer recommends the HRL value

HBV - Health Based Values derived by Minnesota Department of Health

HRL - Health Risk Level derived and promulgated in rule by Minnesota Department of Health

MCL - Maximum Contaminant Level (USEPA)

Table 5B
Groundwater Analytical Results - Platteville Formation Wells
Edina Well No. 7 Study - Phase II
STS Project 99613-XB

Detected Contaminants		Drinking Water Standard		Well Name:	W426D	W428	W429	W429	W429	W431	W433	W433FB	W434	W434	W437	W438
				CWI Name:									W434- ST. LOUIS PARK B-D			
				MN Unique Well No.:	00439812	00439810	00439724	00439724	00439724	00462935	00462933	00462933	00463012	00463012	00498917	00498919
				Aquifer:	Platteville	Platteville	Platteville	Platteville	Platteville	Platteville	Platteville	Platteville	Platteville	Platteville	Platteville	Platteville
				STS Sample ID:			W429	W429	W429				SLP 434			
				MDH Sample No:			200514031	200514031	200514031				200432997			
				Sample Date:	5/2/2005	5/3/2005	6/2/2005	6/2/2005	6/2/2005	5/3/2005	5/2/2005	5/2/2005	12/9/2004	5/3/2005	5/2/2005	5/3/2005
				Notes:	ENSR Split Sample	ENSR Split Sample	Discrete Sample	Discrete Sample, MS Sample	Discrete Sample, MSD Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	Spigot Water Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample
Benzene	ug/L	10	HRL		**0.8**	**0.2**	<0.2	<0.2	<0.2	**4.6**	**31.0**	<0.2	**23**	**24.0**	**2.4**	**15.0**
n-Butylbenzene	ug/L	--			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chlorodibromoethane	ug/L	80	HRL		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroethane	ug/L	300	HRL		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroform	ug/L	60	HRL		**0.1**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	**0.1**	<0.1	<0.1	**0.1**	<0.1
1,1-Dichloroethane	ug/L	70	HRL		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	**0.4**	<0.2	<0.2	**0.2**
1,2-Dichloroethane	ug/L	4	HRL		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	**0.2**	<0.2	<0.2
1,1-Dichloroethene	ug/L	6	HRL		<0.2	<0.2	<0.5	<0.5	<0.5	<0.2	<0.2	<0.2	**6.5**	**11.0**	<0.2	**3.7**
cis-1,2-Dichloroethene	ug/L	70	HRL		**0.2**	<0.2	<0.2	<0.2	<0.2	**89.0**	**1**	<0.2	**290**	**1100.0**	**86**	**190.0**
trans-1,2-Dichloroethene	ug/L	100	HRL		**0.1**	<0.1	<0.1	<0.1	<0.1	**41**	**3**	<0.1	**43**	**63**	**2.5**	**18**
Dichlorodifluoromethane	ug/L	1000	HRL		<0.1	<0.1	<1.0	<1.0	<1.0	**5.7**	<0.1	<0.1	<1.0	<0.1	<0.1	<0.1
Dichlorofluoromethane	ug/L	--			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	ug/L	700	HRL		**12**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**2.5**	<0.5	**13**	<0.5
Isopropylbenzene	ug/L	300	HRL*		**4.3**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**1.3**	**1.2**	**8.3**	<0.5
p-Isopropyltoluene	ug/L	--			**1.1**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**1.4**	<0.5
Methylene chloride (Dichloror	ug/L	50	HRL		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Naphthalene	ug/L	300	HRL		**8.9**	<1.0	<1.0	<1.0	<1.0	<1.0	**3.4**	**1.3**	**8.9**	<1.0	**4100.0**	**1.6**
n-Propylbenzene	ug/L	--			**1.6**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**2.5**	<0.5
Styrene	ug/L	100	MCL		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethene	ug/L	7	HRL		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	**1200.0**	**760.0**	**13000.0**	**3.6**
Tetrahydrofuran	ug/L	100	HBV		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Toluene	ug/L	1000	HRL		**0.7**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.7**	**0.9**	<0.5
1,1,1-Trichloroethane	ug/L	600	HRL		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Trichloroethene (TCE)	ug/L	30	HRL		<0.1	<0.1	<0.1	<0.1	<0.1	**7.4**	**0.4**	<0.1	**900.0**	**680.0**	**2600.0**	**200.0**
1,2,4-Trimethylbenzene	ug/L	--			**12**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,3,5-Trimethylbenzene	ug/L	--			**8.3**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**19**	<0.5
Vinyl Chloride	ug/L	0.2	HRL		<0.2	<0.2	<0.2	<0.2	<0.2	**9.1**	**0.8**	<0.2	**86.0**	**110.0**	**8.6**	**36.0**
o-Xylene	ug/L	--			**6.4**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	**7.4**	<0.2
p&m-Xylene	ug/L	--			**3.4**	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	**0.6**	**0.8**	**14**	<0.3
Xylene (total)	ug/L	10000	HRL		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.6**	<0.5	<0.5	<0.5

Notes:

Bold face - detect

0.4 - detected concentration exceeds drinking water criteria

* - due to new research, the MDH no longer recommends the HRL value

HBV - Health Based Values derived by Minnesota Department of Health

HRL - Health Risk Level derived and promulgated in rule by Minnesota Department of Health

MCL - Maximum Contaminant Level (USEPA)

Table 5C
Groundwater Analytical Results - St. Peter Sandstone Wells
Edina Well No. 7 Study - Phase II
STS Project 99613-XB

Detected Contaminants		Drinking Water Standard		Well Name:	SLP3	SLP3	PERRY A & CINDY L WITKIN	W14	W21	W122	W122FB	W133	W409	W-410 (USGS W-24)	W411	W412	W412D
				CWI Name:	ST. LOUIS PARK 3	ST. LOUIS PARK 3	J. J. LIEBENBERG										
				MN Unique Well No.:	00206440	00206440	00203620	00114472	00216049	00165578	00165578	00165588	00432036	00434042	00432035	00432034	00432034
				Aquifer:	Platt.-St. Peter	St. Peter	St. Peter-PDCJ	St. Peter	St. Peter	St. Peter	St. Peter	St. Peter	St. Peter	St. Peter	St. Peter	St. Peter	St. Peter
				STS Sample ID:			EDINA PRI #1	W14	W21								
				MDH Sample No:	200423868		200429907	200514032	200514046					200424655			
				Sample Date:	8/16/2004	5/9/2005	10/22/04	6/2/2005	6/3/2005	5/9/2005	5/9/2005	5/9/2005	5/3/2004	8/23/2004	5/9/2005	5/9/2005	5/9/2005
				Notes:	City of St. Louis Park Data	ENSR Split Sample	Spigot Water Sample	Discrete Sample	Discrete Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	City of St. Louis Park Data	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample
Benzene	ug/L	10	HRL		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	**0.4**	**19.0**	**0.9**	**0.2**	**1.1**	**1.1**
n-Butylbenzene	ug/L	--			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chlorodibromoethane	ug/L	80	HRL		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroethane	ug/L	300	HRL		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroform	ug/L	60	HRL		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethane	ug/L	70	HRL		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dichloroethane	ug/L	4	HRL		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,1-Dichloroethene	ug/L	6	HRL		<0.5	<0.2	<0.5	<0.5	<0.5	<0.2	<0.2	<0.2	<0.2	<0.5	<0.2	<0.2	<0.2
cis-1,2-Dichloroethene	ug/L	70	HRL		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	**5**	**2.4**	**0.6**	**0.5**	<0.2	<0.2
trans-1,2-Dichloroethene	ug/L	100	HRL		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	**1.5**	**9.1**	**0.4**	<0.1	<0.1	<0.1
Dichlorodifluoromethane	ug/L	1000	HRL		<0.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.1	<0.1	<0.5	<1.0	<1.0	<1.0
Dichlorofluoromethane	ug/L	--			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	ug/L	700	HRL		<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**21**	**0.4**	<0.5	<0.5	<0.5
Isopropylbenzene	ug/L	300	HRL*		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**1.7**	<0.5	<0.5	<0.5	<0.5
p-Isopropyltoluene	ug/L	--			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Methylene chloride (Dichloror	ug/L	50	HRL		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Naphthalene	ug/L	300	HRL		<0.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<1.0	<1.0	<1.0
n-Propylbenzene	ug/L	--			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Styrene	ug/L	100	MCL		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethene	ug/L	7	HRL		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	**1.7**	<0.2	**0.4**	<0.2	<0.2	<0.2
Tetrahydrofuran	ug/L	100	HBV		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Toluene	ug/L	1000	HRL		<0.2	<0.5	<0.5	<0.5	**0.6**	<0.5	<0.5	<0.5	**0.7**	<0.2	<0.5	<0.5	<0.5
1,1,1-Trichloroethane	ug/L	600	HRL		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Trichloroethene (TCE)	ug/L	30	HRL		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	**0.8**	**0.4**	**3.2**	<0.1	<0.1	<0.1
1,2,4-Trimethylbenzene	ug/L	--			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**3.4**	<0.5	<0.5	<0.5	<0.5
1,3,5-Trimethylbenzene	ug/L	--			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**1.3**	<0.5	<0.5	<0.5	<0.5
Vinyl Chloride	ug/L	0.2	HRL		<0.5	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	**2.8**	**0.5**	<0.5	<0.2	<0.2	<0.2
o-Xylene	ug/L	--			<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	**7.7**	<0.2	<0.2	<0.2	<0.2
p&m-Xylene	ug/L	--			<0.2	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	**1.4**	<0.2	<0.3	<0.3	<0.3
Xylene (total)	ug/L	10000	HRL		<0.4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.4	<0.5	<0.5	<0.5

Notes:

Bold face - detect

0.4 - detected concentration exceeds drinking water criteria

* - due to new research, the MDH no longer recommends the HRL value

HBV - Health Based Values derived by Minnesota Department of Health

HRL - Health Risk Level derived and promulgated in rule by Minnesota Department of Health

MCL - Maximum Contaminant Level (USEPA)

Table 5D
Groundwater Analytical Results - Prairie du Chien / Jordan Aquifer Wells
Edina Well No. 7 Study - Phase II
STS Project 99613-XB

Detected Contaminants		Drinking Water Standard	Well Name:	W W WOLD & L M WOLD	PERRY A & CINDY L WITKIN	Mike Kelly 952-922-9012	Mike Kelly 952-922-9012	PETER M & ELLEN B KAISER	JASON F BROWN	Peter M Schimit/Kathi J. Wright	Peter M Schimit/Kathi J. Wright	ED2	ED2	ED3	ED4	ED6	ED7
			CWI Name:	JOHN ANDERSON	J. J. LIEBENBERG	EDINA COUNTRY CLUB NO.1	EDINA COUNTRY CLUB NO.1	FRED SMITH	JOE ELIASON	LEW BONN	LEW BONN	EDINA 2	EDINA 2	EDINA 3	EDINA 4	EDINA 6	EDINA 7
			MN Unique Well No.:	00206547	00203620	00232315	00232315	00206502	00206599	00223769	00223769	00208399	00208399	00240630	00200561	00200564	00206474
			Aquifer:	Drift-PDCJ	St. Peter-PDCJ	PDCJ	PDCJ	PDCJ	PDCJ	PDCJ	PDCJ	PDCJ	PDCJ	PDCJ	PDCJ	PDCJ	PDCJ
			STS Sample ID:	PRI. #4	EDINA PRI #1	EDINA CC #1	EDINA CC #1 - Dup	Edina Pri #5	EDINA PRI #2	EDINA PR#3	EDINA PR#3 - Dup	EDINA #2	EDINA #2 - Dup	EDINA #3	EDINA #4	EDINA #6	
			MDH Sample No:	200430253	200429907	200430525	200430526	200431474	200429907	200430251	200430252	200429900	200429901	200430255	200430254	200429904	
			Sample Date:	10/27/04	10/22/04	11/01/04	11/01/04	11/10/04	10/22/04	10/27/04	10/27/04	10/22/04	10/22/04	10/27/04	10/27/04	10/22/04	01/26/04
			Notes:	Spigot Water Sample	Spigot Water Sample	Spigot Water Sample	Spigot Water Sample, Duplicate	Spigot Water Sample	Spigot Water Sample	Spigot Water Sample	Spigot Water Sample, Duplicate	Spigot Water Sample	Spigot Water Sample, Duplicate	Spigot Water Sample	Spigot Water Sample	Spigot Water Sample	Spigot Water Sample
Benzene	ug/L	10 HRL		<0.2	<0.2	**0.4**	**0.4**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
n-Butylbenzene	ug/L	--		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chlorodibromoethane	ug/L	80 HRL		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroethane	ug/L	300 HRL		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroform	ug/L	60 HRL		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethane	ug/L	70 HRL		<0.2	<0.2	**0.4**	**0.4**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dichloroethane	ug/L	4 HRL		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,1-Dichloroethene	ug/L	6 HRL		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
cis-1,2-Dichloroethene	ug/L	70 HRL		<0.2	<0.2	**16**	**16**	<0.2	<0.2	<0.2	<0.2	**1.8**	**2.0**	<0.2	<0.2	<0.2	<0.2
trans-1,2-Dichloroethene	ug/L	100 HRL		<0.1	<0.1	**0.7**	**0.7**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dichlorodifluoromethane	ug/L	1000 HRL		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dichlorofluoromethane	ug/L	--		<0.5	<0.5	**1.0**	**1.0**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	ug/L	700 HRL		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Isopropylbenzene	ug/L	300 HRL*		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
p-Isopropyltoluene	ug/L	--		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Methylene chloride (Dichloror	ug/L	50 HRL		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Naphthalene	ug/L	300 HRL		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
n-Propylbenzene	ug/L	--		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Styrene	ug/L	100 MCL		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethene	ug/L	7 HRL		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Tetrahydrofuran	ug/L	100 HBV		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Toluene	ug/L	1000 HRL		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,1-Trichloroethane	ug/L	600 HRL		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Trichloroethene (TCE)	ug/L	30 HRL		<0.1	<0.1	**1.2**	**1.1**	<0.1	<0.1	<0.1	<0.1	**0.2**	**0.2**	<0.1	<0.1	<0.1	<0.1
1,2,4-Trimethylbenzene	ug/L	--		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,3,5-Trimethylbenzene	ug/L	--		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Vinyl Chloride	ug/L	0.2 HRL		<0.2	<0.2	2.0	2.1	<0.2	<0.2	<0.2	<0.2	0.4	0.4	<0.2	<0.2	<0.2	3.9
o-Xylene	ug/L	--		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
p&m-Xylene	ug/L	--		<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Xylene (total)	ug/L	10000 HRL		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Notes:

Bold face - detect

0.4 - detected concentration exceeds drinking water criteria

* - due to new research, the MDH no longer recommends the HRL value

HBV - Health Based Values derived by Minnesota Department of Health

HRL - Health Risk Level derived and promulgated in rule by Minnesota Department of Health

MCL - Maximum Contaminant Level (USEPA)

Table 5D
Groundwater Analytical Results - Prairie du Chien / Jordan Aquifer Wells
Edina Well No. 7 Study - Phase II
STS Project 99613-XB

Detected Contaminants		Drinking Water Standard		Well Name:	ED7	ED7	ED7	ED7	ED7	ED13	ED15	ED17	MILASTAR CORPORAT.	MILASTAR CORPORAT.	SLP4	SLP6	SLP6	SLP6
				CWI Name:	EDINA 7	EDINA 7	EDINA 7	EDINA 7	EDINA 7	EDINA 13	EDINA 15	EDINA 17	FLAME INDUSTRIES	FLAME INDUSTRIES	ST. LOUIS PARK 4	ST. LOUIS PARK 6	ST. LOUIS PARK 6	ST. LOUIS PARK 6
				MN Unique Well No.:	00206474	00206474	00206474	00206474	00206474	00203613	00207674	00200914	00206454	00206454	00200542	00206457	00206457	00206457
				Aquifer:	PDCJ	PDCJ	PDCJ	PDCJ	PDCJ	PDCJ	PDCJ	PDCJ	PDCJ	PDCJ	PDCJ	PDCJ	PDCJ	PDCJ
				STS Sample ID:	ED7#1 360'	ED7#2 400'	ED7#6 520'	ED7#3 450'	ED7#4 500'	EDINA #13	EDINA #15	EDINA #17	FI 1	FI 2			SLP #6	
				MDH Sample No:	200501036	200501037	200501041	200501038	200501039	200429903	200429907	200430256	200432021	200432022	200423866	200423867	200431473	
				Sample Date:	01/20/05	01/20/05	01/20/05	01/20/05	01/20/05	10/22/04	10/22/04	10/27/04	11/19/04	11/19/04	8/16/2004	8/16/2004	11/10/04	5/10/2005
				Notes:	Discrete Sample	Discrete Sample	Discrete Sample, Duplicate	Discrete Sample	Discrete Sample	Spigot Water Sample	Spigot Water Sample	Spigot Water Sample	Spigot Water Sample	Spigot Water Sample	City of St. Louis Park Data	City of St. Louis Park Data	Spigot Water Sample	ENSR Split Sample
Benzene	ug/L	10	HRL		<0.2	**0.8**	**0.8**	**0.8**	**0.8**	<0.2	<0.2	<0.2	**0.9**	**0.9**	<0.2	**0.8**	**0.8**	**0.9**
n-Butylbenzene	ug/L	--			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chlorodibromoethane	ug/L	80	HRL		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroethane	ug/L	300	HRL		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroform	ug/L	60	HRL		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethane	ug/L	70	HRL		<0.2	**0.6**	**0.6**	**0.6**	**0.6**	<0.2	**1.3**	<0.2	**0.5**	**0.5**	<0.2	**1.1**	**1.2**	**1.1**
1,2-Dichloroethane	ug/L	4	HRL		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,1-Dichloroethene	ug/L	6	HRL		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**1.0**	<0.5	**0.5**	<0.5	<0.5	<0.5	<0.5	<0.2
cis-1,2-Dichloroethene	ug/L	70	HRL		<0.2	**39**	**38**	**37**	**37**	**0.8**	**7.1**	<0.2	**47**	**46**	<0.2	**22**	**24**	**28**
trans-1,2-Dichloroethene	ug/L	100	HRL		<0.1	**3.7**	**3.3**	**3.2**	**3.4**	<0.1	**0.4**	<0.1	**2.4**	**2.4**	<0.1	**1.6**	**1.4**	**1.4**
Dichlorodifluoromethane	ug/L	1000	HRL		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.2**	**1.2**	**0.6**	**1.4**	**1.3**	**1.3**
Dichlorofluoromethane	ug/L	--			<0.5	**1.7**	**1.6**	**1.7**	**1.7**	<0.5	<0.5	<0.5	**2.4**	**2.4**	**1.4**	**2.6**	**2.8**	**2.5**
Ethylbenzene	ug/L	700	HRL		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.2	<0.5	<0.5
Isopropylbenzene	ug/L	300	HRL*		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
p-Isopropyltoluene	ug/L	--			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Methylene chloride (Dichloror	ug/L	50	HRL		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Naphthalene	ug/L	300	HRL		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<0.5	<1.0	<1.0
n-Propylbenzene	ug/L	--			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Styrene	ug/L	100	MCL		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethene	ug/L	7	HRL		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Tetrahydrofuran	ug/L	100	HBV		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Toluene	ug/L	1000	HRL		**3.3**	**0.8**	**0.9**	**1.4**	**1.9**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.2	<0.5	<0.5
1,1,1-Trichloroethane	ug/L	600	HRL		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	**1.1**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Trichloroethene (TCE)	ug/L	30	HRL		<0.1	**2.3**	**2.2**	**2.3**	**2.2**	**0.1**	**1.9**	<0.1	**2.9**	**2.7**	<0.1	**6.6**	**7.2**	**7**
1,2,4-Trimethylbenzene	ug/L	--			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,3,5-Trimethylbenzene	ug/L	--			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Vinyl Chloride	ug/L	0.2	HRL		<0.2	**3.3**	**3.2**	**3.4**	**3.5**	<0.2	**0.9**	<0.2	**5.3**	**5.2**	**1.5**	**4.4**	**4.9**	**5.1**
o-Xylene	ug/L	--			<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
p&m-Xylene	ug/L	--			<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.2	<0.2	<0.3	<0.3
Xylene (total)	ug/L	10000	HRL		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.4	<0.4	<0.5	<0.5

Notes:

Bold face - detect

0.4 - detected concentration exceeds drinking water criteria

* - due to new research, the MDH no longer recommends the HRL value

HBV - Health Based Values derived by Minnesota Department of Health

HRL - Health Risk Level derived and promulgated in rule by Minnesota Department of Health

MCL - Maximum Contaminant Level (USEPA)

Table 5D
Groundwater Analytical Results - Prairie du Chien / Jordan Aquifer Wells
Edina Well No. 7 Study - Phase II
STS Project 99613-XB

Detected Contaminants		Drinking Water Standard		Well Name:	SLP10	SLP10	W23	W23	W48	W48	W48	W119	W119	W119	W119	W119	W402
				CWI Name:	ST. LOUIS PARK 10	ST. LOUIS PARK 10	REPUBLIC CREOSOTE DEEP W (W23)	REPUBLIC CREOSOTE DEEP W (W23)	METHODIST HOSPITAL	METHODIST HOSPITAL	METHODIST HOSPITAL	MEADOWBRK .GOLF COURSE	MEADOWBRK .GOLF COURSE	MEADOWBRK .GOLF COURSE	MEADOWBRK .GOLF COURSE	MEADOWBRK .GOLF COURSE	
				MN Unique Well No.:	00206442	00206442	00216050	00216050	00216067	00216067	216067	00216009	00216009	00216009	00216009	00216009	00508116
				Aquifer:	PDCJ	PDCJ	PDCJ	PDCJ	PDCJ	PDCJ	PDCJ	PDCJ	PDCJ	PDCJ	PDCJ	PDCJ	PDCJ
				STS Sample ID:			REP. CERO.	REP. CERO. 2	Methodist #1	Methodist #2		MDW#1 280'	MDW#2 330'	MDW#3 380'	MDW#4 425'		
				MDH Sample No:	200423865		200432992	200432993	200431471	200431475		200501042	200501043	200501044	200501045		
				Sample Date:	8/16/2004	5/10/2005	12/9/2004	12/9/2004	11/10/04	11/10/04	5/10/2005	01/20/05	01/20/05	01/20/05	01/20/05	5/10/2005	5/10/2005
				Notes:	City of St. Louis Park Data	ENSR Split Sample	Spigot Water Sample	Spigot Water Sample, Duplicate	Spigot Water Sample	Spigot Water Sample, Duplicate	ENSR Split Sample	Discrete Sample	Discrete Sample	Discrete Sample	Discrete Sample	ENSR Split Sample	ENSR Split Sample
Benzene	ug/L	10	HRL		<0.2	<0.2	**1.9**	**1.9**	**2.3**	**2.3**	**2.2**	<0.2	<0.2	<0.2	<0.2	**2.1**	**0.5**
n-Butylbenzene	ug/L	--			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chlorodibromoethane	ug/L	80	HRL		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroethane	ug/L	300	HRL		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroform	ug/L	60	HRL		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	**1.8**	**1.7**	**1.7**	**1.7**	<0.1	<0.1
1,1-Dichloroethane	ug/L	70	HRL		<0.2	<0.2	**0.3**	**0.3**	**1.0**	**1.0**	**0.8**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dichloroethane	ug/L	4	HRL		<0.2	<0.2	<0.2	<0.2	**1.0**	**1.0**	**0.9**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,1-Dichloroethene	ug/L	6	HRL		<0.5	<0.2	<0.5	<0.5	**1.4**	**1.3**	<0.2	<0.5	<0.5	<0.5	<0.5	<0.2	<0.2
cis-1,2-Dichloroethene	ug/L	70	HRL		**0.7**	**0.4**	**42**	**43**	**100**	**110**	**124.0**	**1.8**	**2.3**	**3.8**	**4.7**	<0.2	<0.2
trans-1,2-Dichloroethene	ug/L	100	HRL		**0.3**	<0.1	**2.4**	**2.5**	**7.3**	**7.9**	**6.7**	**0.2**	**0.2**	**0.4**	**0.4**	<0.1	<0.1
Dichlorodifluoromethane	ug/L	1000	HRL		<0.5	<0.1	<1.0	<1.0	**3.0**	**2.9**	**2.6**	<1.0	<1.0	<1.0	<1.0	<0.1	<0.1
Dichlorofluoromethane	ug/L	--			<0.5	<0.5	**2.1**	**2.1**	**5.7**	**5.7**	**4.3**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	ug/L	700	HRL		<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Isopropylbenzene	ug/L	300	HRL*		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
p-Isopropyltoluene	ug/L	--			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Methylene chloride (Dichloror	ug/L	50	HRL		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**1.1**	**1.1**	**1.0**	**1.1**	<0.5	<0.5
Naphthalene	ug/L	300	HRL		<0.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
n-Propylbenzene	ug/L	--			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Styrene	ug/L	100	MCL		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethene	ug/L	7	HRL		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Tetrahydrofuran	ug/L	100	HBV		<10	<10	<10	<10	<10	<10	<10	**98**	**91**	**97**	**95**	<10	<10
Toluene	ug/L	1000	HRL		<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**13**	**8.8**	**8.7**	**6.5**	**0.7**	<0.5
1,1,1-Trichloroethane	ug/L	600	HRL		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Trichloroethene (TCE)	ug/L	30	HRL		<0.1	<0.1	**1.2**	**1.2**	**6.3**	**6.3**	**5**	<0.1	**0.1**	**0.2**	**0.2**	**5**	<0.1
1,2,4-Trimethylbenzene	ug/L	--			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,3,5-Trimethylbenzene	ug/L	--			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Vinyl Chloride	ug/L	0.2	HRL		<0.5	<0.2	**4.4**	**4.8**	**16.0**	**16.0**	**15.0**	**0.2**	<0.2	**0.3**	**0.4**	**13.0**	<0.2
o-Xylene	ug/L	--			<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
p&m-Xylene	ug/L	--			<0.2	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Xylene (total)	ug/L	10000	HRL		<0.4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Notes:

Bold face - detect

0.4 - detected concentration exceeds drinking water criteria

* - due to new research, the MDH no longer recommends the HRL value

HBV - Health Based Values derived by Minnesota Department of Health

HRL - Health Risk Level derived and promulgated in rule by Minnesota Department of Health

MCL - Maximum Contaminant Level (USEPA)

Table 5E
Groundwater Analytical Results - QA/QC Samples
Edina Well No. 7 Study - Phase II
STS Project 99613-XB

		Drinking Water		Well Name:														P307FB	W136FB	
				CWI Name:																
				MN Unique Well No.:																
				Aquifer:																
				STS Sample ID:	TRIP BLNK	TRIP BLNK	TRIP BLNK	TRIP BLNK	TRIP BLNK	TRIP BLNK	TRIP BLNK	TRIP BLNK	FIELD BLANK	FIELD BLANK	TRIP BLANK	FIELD BLANK	FIELD BLANK	TRIP BLANK	FIELD BLANK	FIELD BLANK	TRIP BLANK
				MDH Sample No:	200429907	200430257	200430527	200431475	200432023	200432998	200514583	200514040	200501040	20054044	200514052	200514582	200514039				
				Sample Date:	10/22/2004	10/27/2004	11/1/2004	11/10/2004	11/19/2004	12/9/2004	6/8/2005	6/2/2005	1/20/2005	6/3/2005	6/3/2005	6/8/2005	6/2/2005	5/9/2005	4/25/2005	4/26/2005	4/26/2005
Detected Contaminants				Notes:														ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample
Benzene	ug/L	10	HRL		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
n-Butylbenzene	ug/L	--			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chlorodibromoethane	ug/L	80	HRL		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroethane	ug/L	300	HRL		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroform	ug/L	60	HRL		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	**1.0**	**0.1**	<0.1	**0.1**	**0.7**	<0.1	<0.1	**0.1**	**0.1**
1,1-Dichloroethane	ug/L	70	HRL		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dichloroethane	ug/L	4	HRL		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,1-Dichloroethene	ug/L	6	HRL		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.2	<0.2	<0.2
cis-1,2-Dichloroethene	ug/L	70	HRL		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
trans-1,2-Dichloroethene	ug/L	100	HRL		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dichlorodifluoromethane	ug/L	1000	HRL		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.1	<0.1	<0.1
Dichlorofluoromethane	ug/L	--			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	ug/L	700	HRL		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Isopropylbenzene	ug/L	300	HRL*		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
p-Isopropyltoluene	ug/L	--			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Methylene chloride (Dichloror	ug/L	50	HRL		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Naphthalene	ug/L	300	HRL		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
n-Propylbenzene	ug/L	--			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Styrene	ug/L	100	MCL		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethene	ug/L	7	HRL		<0.2	<0.2	<0.2	<0.2	<0.2	**0.9**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Tetrahydrofuran	ug/L	100	HBV		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Toluene	ug/L	1000	HRL		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,1-Trichloroethane	ug/L	600	HRL		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Trichloroethene (TCE)	ug/L	30	HRL		<0.1	<0.1	<0.1	<0.1	<0.1	**0.4**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2,4-Trimethylbenzene	ug/L	--			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,3,5-Trimethylbenzene	ug/L	--			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Vinyl Chloride	ug/L	0.2	HRL		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o-Xylene	ug/L	--			<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
p&m-Xylene	ug/L	--			<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Xylene (total)	ug/L	10000	HRL		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Notes:

Bold face *- detect*

0.4 - detected concentration exceeds drinking water criteria

* - due to new research, the MDH no longer recommends the HRL value

HBV - Health Based Values derived by Minnesota Department of Health

HRL - Health Risk Level derived and promulgated in rule by Minnesota Department of Health

MCL - Maximum Contaminant Level (USEPA)

Table 6. Tritium Sampling Results - Edina Well No. 7 Sampling
City of Edina Well No. 7 Study - Phase II
STS Project No. 99613-XB

Sample No.	Conductivity (micromho/cm)	Laboratory Code	Well Name	PWSID	Date	Lab Number	Tritium Results (TU)
2064740120360	613	LC 460 Tritium by Electrolytic Enrichment	Edina - Well 7 (360 feet)	1270011	01/20/05	104197	<0.8 +/- 0.5
2064740120400	919	LC 460 Tritium by Electrolytic Enrichment	Edina - Well 7 (400 feet)	1270011	01/20/05	104198	14.4 +/- 1.2
2064740120450	880	LC 460 Tritium by Electrolytic Enrichment	Edina - Well 7 (450 feet)	1270011	01/20/05	104199	14.8 +/- 1.2
2064740120500	879	LC 460 Tritium by Electrolytic Enrichment	Edina - Well 7 (500 feet)	1270011	01/20/05	104200	13.4 +/- 1.0

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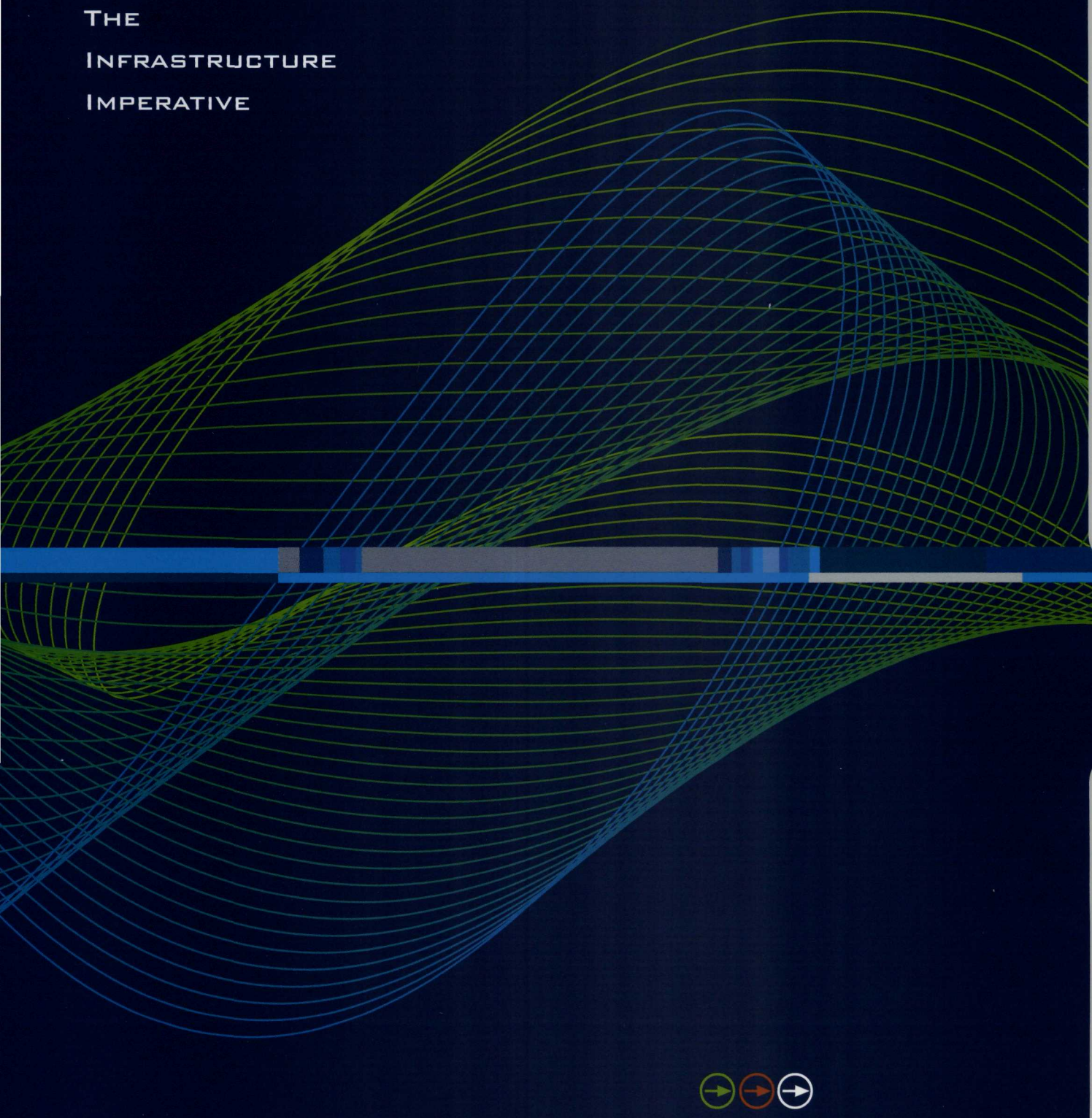

Appendix

APPENDICES

Appendix A	Appendix to Sampling and Analysis Plan
Appendix B	Laboratory Reports
Appendix C	Sampling Information Forms

A

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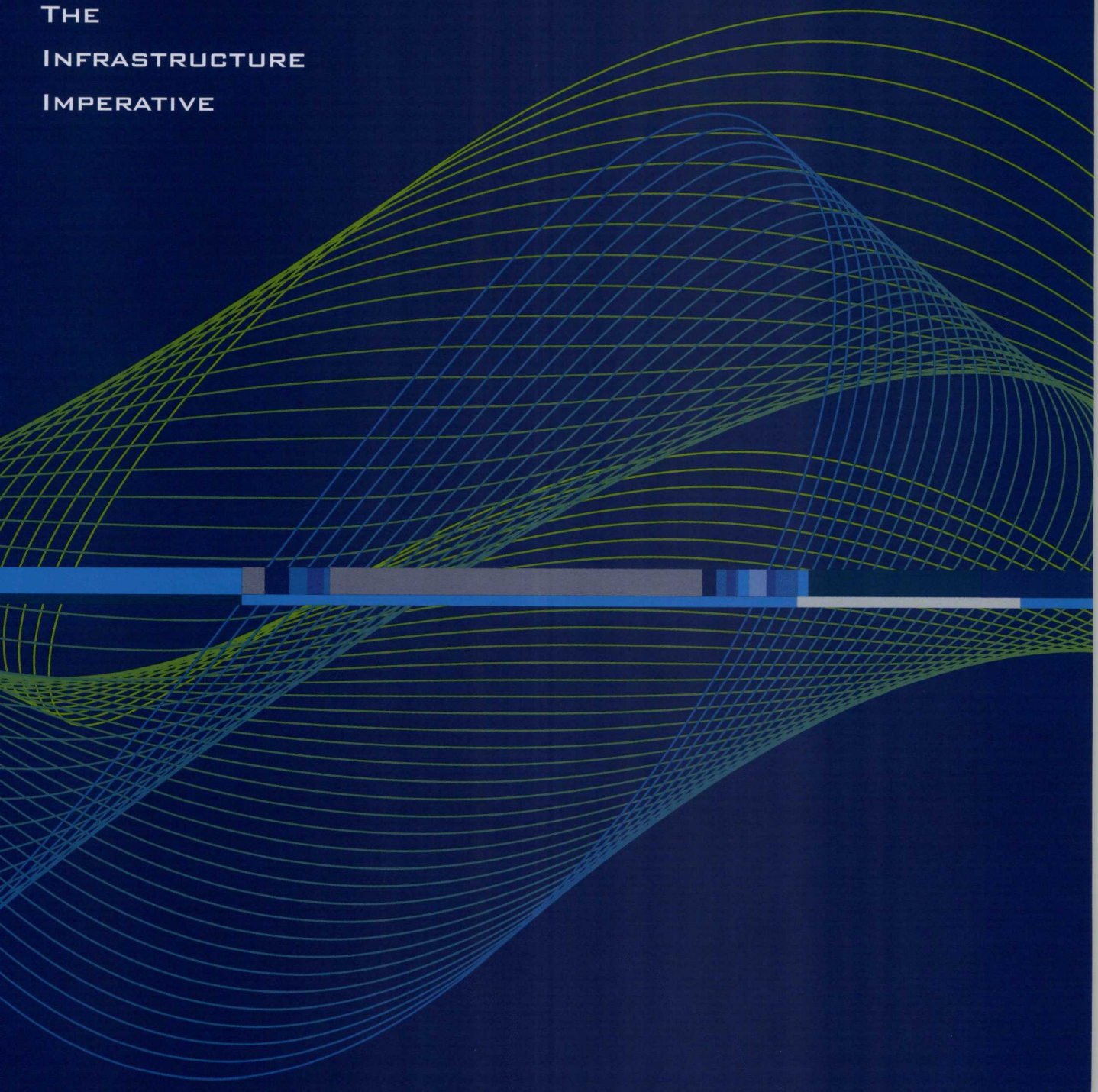

STS CONSULTANTS

STS Consultants, Ltd.
10900 73rd Avenue North, Suite 150
Maple Grove, Minnesota 55369

voice 763-315-6300
fax 763-315-1836
web www.stsconsultants.com

June 1, 2005

Mr. Nile Fellows
Project Manager
Minnesota Pollution Control Agency
520 Lafayette Road North
St. Paul, MN 55155

Re: Appendix to the Sampling and Analysis Plan for the City of Edina Well Evaluation;
STS Project 99613-XB

Dear Mr. Fellows:

We are pleased to present you with the Appendix to the Sampling and Analysis Plan (SAP). The SAP was developed for the Phase I of the City of Edina Well Evaluation Project - STS Project 99613-XA. This Appendix addresses the elements of the Phase II sampling work that differ from the Phase I work scope. This document should be used in conjunction with the SAP.

1.0 Scope of Sampling Work

One round of groundwater samples will be collected during Phase II of the project from several of the monitoring wells opened to Drift, Platteville, St. Peter and Prairie du Chien / Jordan formations. This sampling will be used to attempt to better delineate the extent of VOC plumes that are affecting the Edina Well No. 7. Most of the samples will be collected by splitting samples obtained by ENSR as part of the routine sampling for the Reilly Tar Chemical Corporation Site Management Plan. These split samples will be obtained directly by the MPCA staff. In addition to the ENSR split samples, STS will conduct sampling from several additional wells using the "Century Discrete Sampler". This discrete sampler can be used in wells that are a minimum of 2 inches in diameter. Several 1 inch diameter wells were identified that could also be sampled. These wells would be sampled using a low-flow methodology. All these additional STS collected samples will be analyzed for VOCs.

Project organization and responsibilities, sampling and analysis objectives, quality assurance, quality control, laboratory coordination, analytical methods and corrective action remain as described in the SAP. Following are descriptions for the discrete sampling and low-flow sampling. These are the only elements of the sampling plan that were not addressed in the SAP.

2.0 Discrete Sampling

Discrete sampling will be conducted with the use of the "Century Discrete Sampler". This 1 inch diameter and 5 feet long unit is lowered to the desired depth where the sealed sampling chamber is opened to collect one liter of groundwater. The sampling chamber is then closed, to prevent mixing of the sample with water from different depths. The unit is then retrieved to the surface for sample decanting. The obtained sample is representative of the aquifer formation water, provided that the open or screened section of the well is in good hydraulic communication with the aquifer.

Since no well purging is performed, stabilization parameters monitoring is not conducted.

3.0 Low-Flow Sampling

Some candidate wells for sampling are 1.2 inches in diameter only. Such wells cannot be sampled using the Century Discrete Sampler. These wells will be sampled using a low-flow sampling methodology.

This methodology follows the general content of the USEPA document: Ground Water Issue – Low-Flow (Minimal Drawdown) Ground-Water Sampling Procedures by R.W. Puls and M.J. Barcelona, EPA/540/S-95/504, April 1996.

It is generally accepted that water in the well casing is non-representative of the formation water and needs to be purged prior to collection of groundwater samples. However in the case of wells screened in a relatively permeable formation, the water in the screened (or open section) interval may indeed be representative of the formation water.

Procedure

Low-flow purging shall be completed setting the pump intake (the end of tubing) in the middle or slightly above the middle of the screened interval. Placement of the tubing too close to the bottom of the well will cause increased entrainment of solids which have collected in the well over time. These particles are present as a result of well development, prior purging and sampling events, and natural colloidal transport and deposition.

During low-flow sampling, a polyethylene tubing will be lowered to the middle of the well's screen section. Care will be taken to lower the tubing with as little disturbance of the stagnating water above the screen as possible. A peristaltic pump will be used to purge the well and obtain the water sample.

Low-flow purging has the advantage of minimizing mixing between the overlying stagnant water and water within the screened interval. The objective is to pump in a manner that minimizes stress (drawdown) to the system to the extent practical. Typically, flow rates on the order of 0.1 – 0.5 L/min are used. However, some extremely coarse-textured formations have been successfully sampled in this manner at flow rates to 1 L/min. The maximum pumping rate should be such as to minimize the drawdown in the well. When drawdown is minimal, pumping rate is similar to recharge rate from the formation to the well.

Most of the need for purging has been found to be due to passing the sampling device through the overlying casing water which causes mixing of these stagnant waters and the dynamic waters within the screened interval. Additionally, there is disturbance to suspended sediment collected in the bottom of the casing and the displacement of water out into the formation immediately adjacent to the well screen.

Isolation of the screened interval water from the overlying stagnant water may be accomplished using low-flow minimal drawdown techniques. If the pump intake is located within the screened interval, most of the water pumped will be drawn in directly from the formation with little mixing of casing water or disturbance to the sampling zone.

Water quality indicator parameters will be measured to determine purging needs prior to sample collection. The following stabilization parameters will be monitored during the purging: pH, specific conductance, oxidation-reduction potential and temperature.

In-line flow cell will be utilized to continuously measure the above parameters. A groundwater sample can be collected when three successive readings of stabilization parameters are within ±0.1 for pH, 3% for specific conductance, 10 mV for oxidation-reduction potential, and 0.1 degree C. The volume of purged water is not a criterion used to decide when groundwater sampling can proceed.

Upon parameter stabilization, sampling can be initiated. The in-line device will be disconnected or bypassed during sample collection. Sampling flow rate may remain at established purge rate or may be adjusted slightly to minimize aeration, bubble formation, turbulent filling of sample bottles, or loss of

volatiles due to extended residence time in tubing. Typically, flow rates less than 0.5 L/min are appropriate. The same device should be used for sampling as was used for purging.

The usual practices for documenting the sampling event should be used for low-flow purging and sampling techniques. This should include, at a minimum: information on the conduct of purging operations (flow rate, drawdown, water quality parameters, volumes extracted at times of measurement), field instrument calibration data, water sampling forms and chain of custody forms. This information coupled with laboratory analytical data and validation data are needed to judge the "usability" of the sampling data.

After groundwater samples were collected, polyethylene tubing will be removed from the well and discarded. New tubing will be used for sampling from each well.

If you have any questions, requests or comments in reference to the presented document – revision, please contact Bob DeGroot at 763/315-6317 or Peter Rzepecki at 763/315-6345. Thank you for the opportunity to assist you.

Sincerely,

STS CONSULTANTS, LTD.

Peter A. Rzepecki, PhD, PHg, PG
Senior Project Hydrogeologist

Robert L. DeGroot, PG PE
Principal Engineer

PAR/dn

B

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Minnesota Department Of Health - Environmental Laboratory

Amended Report - Client Copy - Report Of Analytical Results

Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514028 - 200514036

Date Received: **06-JUN-2005**
Date Generated: **28-JUN-2005**
Request Page: **1 of 36**

Date Reported: **28-JUN-2005**
Original Date Reported: **09-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514028** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
02-JUN-2005	**0840**	**w424**	-

Trip Blank	Field Blank
200514040	**200514039**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **MJK** on **09-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS				07-JUN-05
4-Bromofluorobenzene (surrogate)	**97.0**	**70-130**	**%**	
1,2-Dichlorobenzene-D4 (surrogate)	**125**	**70-130**	**%**	
Acetone	< 20	20	ug/L	
Allyl chloride	< 0.5	0.5	ug/L	
Benzene	< 0.2	0.2	ug/L	
Peak present below report level				
Bromobenzene	< 0.2	0.2	ug/L	
Bromochloromethane	< 0.5	0.5	ug/L	
Bromodichloromethane	< 0.2	0.2	ug/L	
Bromoform	< 0.5	0.5	ug/L	
Bromomethane	< 1.0	1.0	ug/L	
n-Butylbenzene	< 0.5	0.5	ug/L	
sec-Butylbenzene	< 0.5	0.5	ug/L	
tert-Butylbenzene	< 0.5	0.5	ug/L	
Carbon tetrachloride	< 0.2	0.2	ug/L	
Chlorobenzene	< 0.2	0.2	ug/L	
Chlorodibromomethane	< 0.5	0.5	ug/L	
Chloroethane	< 0.5	0.5	ug/L	
Chloroform	< 0.1	0.1	ug/L	
Peak present below report level				
Chloromethane	< 1.0	1.0	ug/L	
2-Chlorotoluene	< 0.5	0.5	ug/L	
4-Chlorotoluene	< 0.5	0.5	ug/L	
1,2-Dibromo-3-chloropropane (DBCP)	< 2.0	2.0	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514028 - 200514036

Date Received: **06-JUN-2005**
Date Generated: **28-JUN-2005**
Request Page: **2 of 36**
Date Reported: **28-JUN-2005**
Original Date Reported: **09-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514028** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
02-JUN-2005	**0840**	**w424**	-

Trip Blank	Field Blank
200514040	**200514039**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **MJK** on **09-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS **(Cont.)**				07-JUN-05
1,2-Dibromoethane (EDB)	< 0.5	0.5	ug/L	
Dibromomethane	< 0.5	0.5	ug/L	
1,2-Dichlorobenzene	< 0.2	0.2	ug/L	
1,3-Dichlorobenzene	< 0.2	0.2	ug/L	
1,4-Dichlorobenzene	< 0.2	0.2	ug/L	
Dichlorodifluoromethane	< 1.0	1.0	ug/L	
1,1-Dichloroethane	< 0.2	0.2	ug/L	
1,2-Dichloroethane	< 0.2	0.2	ug/L	
1,1-Dichloroethene	< 0.5	0.5	ug/L	
cis-1,2-Dichloroethene	< 0.2	0.2	ug/L	
trans-1,2-Dichloroethene	< 0.1	0.1	ug/L	
Dichlorofluoromethane	< 0.5	0.5	ug/L	
1,2-Dichloropropane	< 0.2	0.2	ug/L	
1,3-Dichloropropane	< 0.2	0.2	ug/L	
2,2-Dichloropropane	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the LCS/LCSD. The sample result should be considered as estimated.				
1,1-Dichloropropene	< 0.2	0.2	ug/L	
cis-1,3-Dichloropropene	< 0.2	0.2	ug/L	
trans-1,3-Dichloropropene	< 0.2	0.2	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the LCS/LCSD. The sample result should be considered as estimated.				
Ethylbenzene	< 0.5	0.5	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514028 - 200514036

Date Received: **06-JUN-2005**
Date Generated: **28-JUN-2005**
Request Page: **3 of 36**
Date Reported: **28-JUN-2005**
Original Date Reported: **09-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514028** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
02-JUN-2005	**0840**	**w424**	-

Trip Blank	Field Blank
200514040	**200514039**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **MJK** on **09-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS **(Cont.)**				07-JUN-05
Ethyl ether	< 2.0	2.0	ug/L	
Hexachlorobutadiene	< 1.0	1.0	ug/L	
Isopropylbenzene	< 0.5	0.5	ug/L	
p-Isopropyltoluene	< 0.5	0.5	ug/L	
Methylene chloride	< 0.5	0.5	ug/L	
Methyl ethyl ketone (MEK)	< 10	10	ug/L	
Methyl isobutyl ketone (MIBK)	< 5.0	5.0	ug/L	
Methyl tertiary butyl ether (MTBE)	< 2.0	2.0	ug/L	
Naphthalene	< 1.0	1.0	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the LCS/LCSD. The sample result should be considered as estimated.				
n-Propylbenzene	< 0.5	0.5	ug/L	
Styrene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the LCS/LCSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
1,1,1,2-Tetrachloroethane	< 0.2	0.2	ug/L	
1,1,2,2-Tetrachloroethane	< 0.2	0.2	ug/L	
Tetrachloroethene	< 0.2	0.2	ug/L	
Tetrahydrofuran (THF)	< 10	10	ug/L	
Toluene	**32**	**0.5**	**ug/L**	
1,2,3-Trichlorobenzene	< 1.0	1.0	ug/L	
1,2,4-Trichlorobenzene	< 0.5	0.5	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514028 - 200514036

Date Received: **06-JUN-2005**
Date Generated: **28-JUN-2005**
Request Page: **4 of 36**
Date Reported: **28-JUN-2005**
Original Date Reported: **09-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514028** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
02-JUN-2005	**0840**	**w424**	-

Trip Blank	Field Blank
200514040	**200514039**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **MJK** on **09-JUN-05**

Note: Positive Organic Results are indicated by BOLD.

		Result	Rept Level	Units	Analysis Date
468	VOCs in Water by GC/MS **(Cont.)**				07-JUN-05
	1,1,1-Trichloroethane	< 0.2	0.2	ug/L	
	1,1,2-Trichloroethane	< 0.2	0.2	ug/L	
	Trichloroethene (TCE)	< 0.1	0.1	ug/L	
	Trichlorofluoromethane	< 0.5	0.5	ug/L	
	1,2,3-Trichloropropane	< 0.5	0.5	ug/L	
	1,1,2-Trichlorotrifluoroethane	< 0.2	0.2	ug/L	
	1,2,4-Trimethylbenzene	< 0.5	0.5	ug/L	
	1,3,5-Trimethylbenzene	< 0.5	0.5	ug/L	
	Vinyl chloride	< 0.2	0.2	ug/L	
	o-Xylene	< 0.2	0.2	ug/L	
	p&m-Xylene	< 0.3	0.3	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514028 - 200514036

Date Received: **06-JUN-2005**
Date Generated: **28-JUN-2005**
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Date Reported: **28-JUN-2005**
Original Date Reported: **09-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514029** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
02-JUN-2005	**1115**	**w423**	-

Trip Blank	Field Blank
200514040	**200514039**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **MJK** on **09-JUN-05**

Note: Positive Organic Results are indicated by BOLD.

	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS				07-JUN-05
4-Bromofluorobenzene (surrogate)	**93.8**	**70-130**	**%**	
1,2-Dichlorobenzene-D4 (surrogate)	**126**	**70-130**	**%**	
Acetone	< 20	20	ug/L	
Allyl chloride	< 0.5	0.5	ug/L	
Benzene	< 0.2	0.2	ug/L	
Bromobenzene	< 0.2	0.2	ug/L	
Bromochloromethane	< 0.5	0.5	ug/L	
Bromodichloromethane	< 0.2	0.2	ug/L	
Bromoform	< 0.5	0.5	ug/L	
Bromomethane	< 1.0	1.0	ug/L	
n-Butylbenzene	< 0.5	0.5	ug/L	
sec-Butylbenzene	< 0.5	0.5	ug/L	
tert-Butylbenzene	< 0.5	0.5	ug/L	
Carbon tetrachloride	< 0.2	0.2	ug/L	
Chlorobenzene	< 0.2	0.2	ug/L	
Chlorodibromomethane	< 0.5	0.5	ug/L	
Chloroethane	< 0.5	0.5	ug/L	
Chloroform	< 0.1	0.1	ug/L	
Chloromethane	< 1.0	1.0	ug/L	
2-Chlorotoluene	< 0.5	0.5	ug/L	
4-Chlorotoluene	< 0.5	0.5	ug/L	
1,2-Dibromo-3-chloropropane (DBCP)	< 2.0	2.0	ug/L	
1,2-Dibromoethane (EDB)	< 0.5	0.5	ug/L	
Dibromomethane	< 0.5	0.5	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514028 - 200514036

Date Received: **06-JUN-2005**
Date Generated: **28-JUN-2005**
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Date Reported: **28-JUN-2005**
Original Date Reported: **09-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514029** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
02-JUN-2005	**1115**	**w423**	-

Trip Blank	Field Blank
200514040	**200514039**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **MJK** on **09-JUN-05**

Note: Positive Organic Results are indicated by BOLD.

		Result	Rept Level	Units	Analysis Date
468	VOCs in Water by GC/MS **(Cont.)**				07-JUN-05
	1,2-Dichlorobenzene	< 0.2	0.2	ug/L	
	1,3-Dichlorobenzene	< 0.2	0.2	ug/L	
	1,4-Dichlorobenzene	< 0.2	0.2	ug/L	
	Dichlorodifluoromethane	< 1.0	1.0	ug/L	
	1,1-Dichloroethane	< 0.2	0.2	ug/L	
	1,2-Dichloroethane	< 0.2	0.2	ug/L	
	1,1-Dichloroethene	< 0.5	0.5	ug/L	
	cis-1,2-Dichloroethene	< 0.2	0.2	ug/L	
	trans-1,2-Dichloroethene	< 0.1	0.1	ug/L	
	Dichlorofluoromethane	< 0.5	0.5	ug/L	
	1,2-Dichloropropane	< 0.2	0.2	ug/L	
	1,3-Dichloropropane	< 0.2	0.2	ug/L	
	2,2-Dichloropropane	< 0.5	0.5	ug/L	
	The spike recoveries for this target analyte did not meet the QC acceptance criteria in the LCS/LCSD. The sample result should be considered as estimated.				
	1,1-Dichloropropene	< 0.2	0.2	ug/L	
	cis-1,3-Dichloropropene	< 0.2	0.2	ug/L	
	trans-1,3-Dichloropropene	< 0.2	0.2	ug/L	
	The spike recoveries for this target analyte did not meet the QC acceptance criteria in the LCS/LCSD. The sample result should be considered as estimated.				
	Ethylbenzene	< 0.5	0.5	ug/L	
	Ethyl ether	< 2.0	2.0	ug/L	
	Hexachlorobutadiene	< 1.0	1.0	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514028 - 200514036

Date Received: **06-JUN-2005**
Date Generated: **28-JUN-2005**
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Date Reported: **28-JUN-2005**
Original Date Reported: **09-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514029** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
02-JUN-2005	**1115**	**w423**	-

Trip Blank	Field Blank
200514040	**200514039**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **MJK** on **09-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS **(Cont.)**				07-JUN-05
Isopropylbenzene	< 0.5	0.5	ug/L	
p-Isopropyltoluene	< 0.5	0.5	ug/L	
Methylene chloride	< 0.5	0.5	ug/L	
Methyl ethyl ketone (MEK)	< 10	10	ug/L	
Methyl isobutyl ketone (MIBK)	< 5.0	5.0	ug/L	
Methyl tertiary butyl ether (MTBE)	< 2.0	2.0	ug/L	
Naphthalene	< 1.0	1.0	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the LCS/LCSD. The sample result should be considered as estimated.				
n-Propylbenzene	< 0.5	0.5	ug/L	
Styrene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the LCS/LCSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
1,1,1,2-Tetrachloroethane	< 0.2	0.2	ug/L	
1,1,2,2-Tetrachloroethane	< 0.2	0.2	ug/L	
Tetrachloroethene	< 0.2	0.2	ug/L	
Tetrahydrofuran (THF)	< 10	10	ug/L	
Toluene	**2.6**	**0.5**	**ug/L**	
1,2,3-Trichlorobenzene	< 1.0	1.0	ug/L	
1,2,4-Trichlorobenzene	< 0.5	0.5	ug/L	
1,1,1-Trichloroethane	< 0.2	0.2	ug/L	
1,1,2-Trichloroethane	< 0.2	0.2	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514028 - 200514036

Date Received: **06-JUN-2005**
Date Generated: **28-JUN-2005**
Request Page: **8 of 36**

Date Reported: **28-JUN-2005**
Original Date Reported: **09-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514029** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
02-JUN-2005	**1115**	**w423**	-

Trip Blank	Field Blank
200514040	**200514039**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **MJK** on **09-JUN-05**

Note: Positive Organic Results are indicated by BOLD.

	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS **(Cont.)**				07-JUN-05
Trichloroethene (TCE)	< 0.1	0.1	ug/L	
Trichlorofluoromethane	< 0.5	0.5	ug/L	
1,2,3-Trichloropropane	< 0.5	0.5	ug/L	
1,1,2-Trichlorotrifluoroethane	< 0.2	0.2	ug/L	
1,2,4-Trimethylbenzene	< 0.5	0.5	ug/L	
1,3,5-Trimethylbenzene	< 0.5	0.5	ug/L	
Vinyl chloride	< 0.2	0.2	ug/L	
o-Xylene	< 0.2	0.2	ug/L	
p&m-Xylene	< 0.3	0.3	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514028 - 200514036

Date Received: **06-JUN-2005**
Date Generated: **28-JUN-2005**
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Date Reported: **28-JUN-2005**
Original Date Reported: **09-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514030** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
02-JUN-2005	**1415**	**w15**	-

Trip Blank	Field Blank
200514040	**200514039**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **MJK** on **09-JUN-05**

Note: Positive Organic Results are indicated by BOLD.

	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS				07-JUN-05
4-Bromofluorobenzene (surrogate)	**93.1**	**70-130**	**%**	
1,2-Dichlorobenzene-D4 (surrogate)	**131**	**70-130**	**%**	
Acetone	< 20	20	ug/L	
Allyl chloride	< 0.5	0.5	ug/L	
Benzene	< 0.2	0.2	ug/L	
Bromobenzene	< 0.2	0.2	ug/L	
Bromochloromethane	< 0.5	0.5	ug/L	
Bromodichloromethane	< 0.2	0.2	ug/L	
Bromoform	< 0.5	0.5	ug/L	
Bromomethane	< 1.0	1.0	ug/L	
n-Butylbenzene	< 0.5	0.5	ug/L	
sec-Butylbenzene	< 0.5	0.5	ug/L	
tert-Butylbenzene	< 0.5	0.5	ug/L	
Carbon tetrachloride	< 0.2	0.2	ug/L	
Chlorobenzene	< 0.2	0.2	ug/L	
Chlorodibromomethane	< 0.5	0.5	ug/L	
Chloroethane	< 0.5	0.5	ug/L	
Chloroform	**0.6**	**0.1**	**ug/L**	
Chloromethane	< 1.0	1.0	ug/L	
2-Chlorotoluene	< 0.5	0.5	ug/L	
4-Chlorotoluene	< 0.5	0.5	ug/L	
1,2-Dibromo-3-chloropropane (DBCP)	< 2.0	2.0	ug/L	
1,2-Dibromoethane (EDB)	< 0.5	0.5	ug/L	
Dibromomethane	< 0.5	0.5	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514028 - 200514036

Date Received: **06-JUN-2005**
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Date Reported: **28-JUN-2005**
Original Date Reported: **09-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514030** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
02-JUN-2005	**1415**	**w15**	-

Trip Blank	Field Blank
200514040	**200514039**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **MJK** on **09-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS **(Cont.)**				07-JUN-05
1,2-Dichlorobenzene	< 0.2	0.2	ug/L	
1,3-Dichlorobenzene	< 0.2	0.2	ug/L	
1,4-Dichlorobenzene	< 0.2	0.2	ug/L	
Dichlorodifluoromethane	< 1.0	1.0	ug/L	
1,1-Dichloroethane	< 0.2	0.2	ug/L	
1,2-Dichloroethane	< 0.2	0.2	ug/L	
1,1-Dichloroethene	< 0.5	0.5	ug/L	
cis-1,2-Dichloroethene	< 0.2	0.2	ug/L	
trans-1,2-Dichloroethene	< 0.1	0.1	ug/L	
Dichlorofluoromethane	< 0.5	0.5	ug/L	
1,2-Dichloropropane	< 0.2	0.2	ug/L	
1,3-Dichloropropane	< 0.2	0.2	ug/L	
2,2-Dichloropropane	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the LCS/LCSD. The sample result should be considered as estimated.				
1,1-Dichloropropene	< 0.2	0.2	ug/L	
cis-1,3-Dichloropropene	< 0.2	0.2	ug/L	
trans-1,3-Dichloropropene	< 0.2	0.2	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the LCS/LCSD. The sample result should be considered as estimated.				
Ethylbenzene	< 0.5	0.5	ug/L	
Ethyl ether	< 2.0	2.0	ug/L	
Hexachlorobutadiene	< 1.0	1.0	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514028 - 200514036

Date Received: **06-JUN-2005**
Date Generated: **28-JUN-2005**
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Date Reported: **28-JUN-2005**
Original Date Reported: **09-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514030** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
02-JUN-2005	**1415**	**w15**	-

Trip Blank	Field Blank
200514040	**200514039**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **MJK** on **09-JUN-05**

	Result	**Rept Level**	**Units**	**Analysis Date**
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS **(Cont.)**				07-JUN-05
Isopropylbenzene	< 0.5	0.5	ug/L	
p-Isopropyltoluene	< 0.5	0.5	ug/L	
Methylene chloride	< 0.5	0.5	ug/L	
Methyl ethyl ketone (MEK)	< 10	10	ug/L	
Methyl isobutyl ketone (MIBK)	< 5.0	5.0	ug/L	
Methyl tertiary butyl ether (MTBE)	< 2.0	2.0	ug/L	
Naphthalene	< 1.0	1.0	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the LCS/LCSD. The sample result should be considered as estimated.				
n-Propylbenzene	< 0.5	0.5	ug/L	
Styrene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the LCS/LCSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
1,1,1,2-Tetrachloroethane	< 0.2	0.2	ug/L	
1,1,2,2-Tetrachloroethane	< 0.2	0.2	ug/L	
Tetrachloroethene	< 0.2	0.2	ug/L	
Tetrahydrofuran (THF)	< 10	10	ug/L	
Toluene	< 0.5	0.5	ug/L	
Peak present below report level				
1,2,3-Trichlorobenzene	< 1.0	1.0	ug/L	
1,2,4-Trichlorobenzene	< 0.5	0.5	ug/L	
1,1,1-Trichloroethane	< 0.2	0.2	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514028 - 200514036

Date Received: **06-JUN-2005**
Date Generated: **28-JUN-2005**
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Date Reported: **28-JUN-2005**
Original Date Reported: **09-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514030** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
02-JUN-2005	**1415**	**w15**	-

Trip Blank	Field Blank
200514040	**200514039**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **MJK** on **09-JUN-05**

Note: Positive Organic Results are indicated by BOLD.

	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS **(Cont.)**				07-JUN-05
1,1,2-Trichloroethane	< 0.2	0.2	ug/L	
Trichloroethene (TCE)	< 0.1	0.1	ug/L	
Trichlorofluoromethane	< 0.5	0.5	ug/L	
1,2,3-Trichloropropane	< 0.5	0.5	ug/L	
1,1,2-Trichlorotrifluoroethane	< 0.2	0.2	ug/L	
1,2,4-Trimethylbenzene	< 0.5	0.5	ug/L	
1,3,5-Trimethylbenzene	< 0.5	0.5	ug/L	
Vinyl chloride	< 0.2	0.2	ug/L	
o-Xylene	< 0.2	0.2	ug/L	
p&m-Xylene	< 0.3	0.3	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514028 - 200514036

Date Received: **06-JUN-2005**
Date Generated: **28-JUN-2005**
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Date Reported: **28-JUN-2005**
Original Date Reported: **09-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514031** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
02-JUN-2005	**1545**	**w429**	-

Trip Blank	Field Blank
200514040	**200514039**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **MJK** on **09-JUN-05**

Note: Positive Organic Results are indicated by BOLD.

	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS				07-JUN-05
4-Bromofluorobenzene (surrogate)	**96.5**	**70-130**	**%**	
1,2-Dichlorobenzene-D4 (surrogate)	**128**	**70-130**	**%**	
Acetone	< 20	20	ug/L	
Allyl chloride	< 0.5	0.5	ug/L	
Benzene	< 0.2	0.2	ug/L	
Bromobenzene	< 0.2	0.2	ug/L	
Bromochloromethane	< 0.5	0.5	ug/L	
Bromodichloromethane	< 0.2	0.2	ug/L	
Bromoform	< 0.5	0.5	ug/L	
Bromomethane	< 1.0	1.0	ug/L	
n-Butylbenzene	< 0.5	0.5	ug/L	
sec-Butylbenzene	< 0.5	0.5	ug/L	
tert-Butylbenzene	< 0.5	0.5	ug/L	
Carbon tetrachloride	< 0.2	0.2	ug/L	
Chlorobenzene	< 0.2	0.2	ug/L	
Chlorodibromomethane	< 0.5	0.5	ug/L	
Chloroethane	< 0.5	0.5	ug/L	
Chloroform	< 0.1	0.1	ug/L	
Chloromethane	< 1.0	1.0	ug/L	
2-Chlorotoluene	< 0.5	0.5	ug/L	
4-Chlorotoluene	< 0.5	0.5	ug/L	
1,2-Dibromo-3-chloropropane (DBCP)	< 2.0	2.0	ug/L	
1,2-Dibromoethane (EDB)	< 0.5	0.5	ug/L	
Dibromomethane	< 0.5	0.5	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514028 - 200514036

Date Received: **06-JUN-2005**
Date Generated: **28-JUN-2005**
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Date Reported: **28-JUN-2005**
Original Date Reported: **09-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514031** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
02-JUN-2005	**1545**	**w429**	-

Trip Blank	Field Blank
200514040	**200514039**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **MJK** on **09-JUN-05**

Note: Positive Organic Results are indicated by BOLD.

		Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS	**(Cont.)**				07-JUN-05
1,2-Dichlorobenzene		< 0.2	0.2	ug/L	
1,3-Dichlorobenzene		< 0.2	0.2	ug/L	
1,4-Dichlorobenzene		< 0.2	0.2	ug/L	
Dichlorodifluoromethane		< 1.0	1.0	ug/L	
1,1-Dichloroethane		< 0.2	0.2	ug/L	
1,2-Dichloroethane		< 0.2	0.2	ug/L	
1,1-Dichloroethene		< 0.5	0.5	ug/L	
cis-1,2-Dichloroethene		< 0.2	0.2	ug/L	
trans-1,2-Dichloroethene		< 0.1	0.1	ug/L	
Dichlorofluoromethane		< 0.5	0.5	ug/L	
1,2-Dichloropropane		< 0.2	0.2	ug/L	
1,3-Dichloropropane		< 0.2	0.2	ug/L	
2,2-Dichloropropane		< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the LCS/LCSD. The sample result should be considered as estimated.					
1,1-Dichloropropene		< 0.2	0.2	ug/L	
cis-1,3-Dichloropropene		< 0.2	0.2	ug/L	
trans-1,3-Dichloropropene		< 0.2	0.2	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the LCS/LCSD. The sample result should be considered as estimated.					
Ethylbenzene		< 0.5	0.5	ug/L	
Ethyl ether		< 2.0	2.0	ug/L	
Hexachlorobutadiene		< 1.0	1.0	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514028 - 200514036

Date Received: **06-JUN-2005**
Date Generated: **28-JUN-2005**
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Date Reported: **28-JUN-2005**
Original Date Reported: **09-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514031** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
02-JUN-2005	**1545**	**w429**	-

Trip Blank	Field Blank
200514040	**200514039**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **MJK** on **09-JUN-05**

Note: Positive Organic Results are indicated by BOLD.

	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS **(Cont.)**				07-JUN-05
Isopropylbenzene	< 0.5	0.5	ug/L	
p-Isopropyltoluene	< 0.5	0.5	ug/L	
Methylene chloride	< 0.5	0.5	ug/L	
Methyl ethyl ketone (MEK)	< 10	10	ug/L	
Methyl isobutyl ketone (MIBK)	< 5.0	5.0	ug/L	
Methyl tertiary butyl ether (MTBE)	< 2.0	2.0	ug/L	
Naphthalene	< 1.0	1.0	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the LCS/LCSD. The sample result should be considered as estimated.				
n-Propylbenzene	< 0.5	0.5	ug/L	
Styrene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the LCS/LCSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
1,1,1,2-Tetrachloroethane	< 0.2	0.2	ug/L	
1,1,2,2-Tetrachloroethane	< 0.2	0.2	ug/L	
Tetrachloroethene	< 0.2	0.2	ug/L	
Tetrahydrofuran (THF)	< 10	10	ug/L	
Toluene	< 0.5	0.5	ug/L	
Peak present below report level				
1,2,3-Trichlorobenzene	< 1.0	1.0	ug/L	
1,2,4-Trichlorobenzene	< 0.5	0.5	ug/L	
1,1,1-Trichloroethane	< 0.2	0.2	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514028 - 200514036

Date Received: **06-JUN-2005**
Date Generated: **28-JUN-2005**
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Date Reported: **28-JUN-2005**
Original Date Reported: **09-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514031** Receiving Comments: **-**

Coll Date	Coll Time	Field No	Sampling Point
02-JUN-2005	**1545**	**w429**	**-**

Trip Blank	Field Blank
200514040	**200514039**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **MJK** on **09-JUN-05**

Note: Positive Organic Results are indicated by BOLD.

		Result	Rept Level	Units	Analysis Date
468	VOCs in Water by GC/MS **(Cont.)**				07-JUN-05
	1,1,2-Trichloroethane	< 0.2	0.2	ug/L	
	Trichloroethene (TCE)	< 0.1	0.1	ug/L	
	Trichlorofluoromethane	< 0.5	0.5	ug/L	
	1,2,3-Trichloropropane	< 0.5	0.5	ug/L	
	1,1,2-Trichlorotrifluoroethane	< 0.2	0.2	ug/L	
	1,2,4-Trimethylbenzene	< 0.5	0.5	ug/L	
	1,3,5-Trimethylbenzene	< 0.5	0.5	ug/L	
	Vinyl chloride	< 0.2	0.2	ug/L	
	o-Xylene	< 0.2	0.2	ug/L	
	p&m-Xylene	< 0.3	0.3	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514028 - 200514036

Date Received: **06-JUN-2005**
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Date Reported: **28-JUN-2005**
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Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514032** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
02-JUN-2005	**1720**	**monitor we** W14	-

Trip Blank	Field Blank
200514040	**200514039**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **MJK** on **09-JUN-05**

Note: Positive Organic Results are indicated by BOLD.

	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS				07-JUN-05
4-Bromofluorobenzene (surrogate)	**98.6**	**70-130**	**%**	
1,2-Dichlorobenzene-D4 (surrogate)	**126**	**70-130**	**%**	
Acetone	< 20	20	ug/L	
Allyl chloride	< 0.5	0.5	ug/L	
Benzene	< 0.2	0.2	ug/L	
Bromobenzene	< 0.2	0.2	ug/L	
Bromochloromethane	< 0.5	0.5	ug/L	
Bromodichloromethane	< 0.2	0.2	ug/L	
Bromoform	< 0.5	0.5	ug/L	
Bromomethane	< 1.0	1.0	ug/L	
n-Butylbenzene	< 0.5	0.5	ug/L	
sec-Butylbenzene	< 0.5	0.5	ug/L	
tert-Butylbenzene	< 0.5	0.5	ug/L	
Carbon tetrachloride	< 0.2	0.2	ug/L	
Chlorobenzene	< 0.2	0.2	ug/L	
Chlorodibromomethane	< 0.5	0.5	ug/L	
Chloroethane	< 0.5	0.5	ug/L	
Chloroform	< 0.1	0.1	ug/L	
Chloromethane	< 1.0	1.0	ug/L	
2-Chlorotoluene	< 0.5	0.5	ug/L	
4-Chlorotoluene	< 0.5	0.5	ug/L	
1,2-Dibromo-3-chloropropane (DBCP)	< 2.0	2.0	ug/L	
1,2-Dibromoethane (EDB)	< 0.5	0.5	ug/L	
Dibromomethane	< 0.5	0.5	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514028 - 200514036

Date Received: **06-JUN-2005**
Date Generated: **28-JUN-2005**
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Date Reported: **28-JUN-2005**
Original Date Reported: **09-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514032** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
02-JUN-2005	**1720**	**monitor we** W14	-

Trip Blank	Field Blank
200514040	**200514039**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **MJK** on **09-JUN-05**

Note: Positive Organic Results are indicated by BOLD.

		Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS	**(Cont.)**				07-JUN-05
1,2-Dichlorobenzene		< 0.2	0.2	ug/L	
1,3-Dichlorobenzene		< 0.2	0.2	ug/L	
1,4-Dichlorobenzene		< 0.2	0.2	ug/L	
Dichlorodifluoromethane		< 1.0	1.0	ug/L	
1,1-Dichloroethane		< 0.2	0.2	ug/L	
1,2-Dichloroethane		< 0.2	0.2	ug/L	
1,1-Dichloroethene		< 0.5	0.5	ug/L	
cis-1,2-Dichloroethene		< 0.2	0.2	ug/L	
trans-1,2-Dichloroethene		< 0.1	0.1	ug/L	
Dichlorofluoromethane		< 0.5	0.5	ug/L	
1,2-Dichloropropane		< 0.2	0.2	ug/L	
1,3-Dichloropropane		< 0.2	0.2	ug/L	
2,2-Dichloropropane		< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the LCS/LCSD. The sample result should be considered as estimated.					
1,1-Dichloropropene		< 0.2	0.2	ug/L	
cis-1,3-Dichloropropene		< 0.2	0.2	ug/L	
trans-1,3-Dichloropropene		< 0.2	0.2	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the LCS/LCSD. The sample result should be considered as estimated.					
Ethylbenzene		< 0.5	0.5	ug/L	
Ethyl ether		< 2.0	2.0	ug/L	
Hexachlorobutadiene		< 1.0	1.0	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514028 - 200514036

Date Received: **06-JUN-2005**
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Date Reported: **28-JUN-2005**
Original Date Reported: **09-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514032** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
02-JUN-2005	**1720**	**monitor we** W14	-

Trip Blank	Field Blank
200514040	**200514039**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **MJK** on **09-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS **(Cont.)**				07-JUN-05
Isopropylbenzene	< 0.5	0.5	ug/L	
p-Isopropyltoluene	< 0.5	0.5	ug/L	
Methylene chloride	< 0.5	0.5	ug/L	
Methyl ethyl ketone (MEK)	< 10	10	ug/L	
Methyl isobutyl ketone (MIBK)	< 5.0	5.0	ug/L	
Methyl tertiary butyl ether (MTBE)	< 2.0	2.0	ug/L	
Naphthalene	< 1.0	1.0	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the LCS/LCSD. The sample result should be considered as estimated.				
n-Propylbenzene	< 0.5	0.5	ug/L	
Styrene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the LCS/LCSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
1,1,1,2-Tetrachloroethane	< 0.2	0.2	ug/L	
1,1,2,2-Tetrachloroethane	< 0.2	0.2	ug/L	
Tetrachloroethene	< 0.2	0.2	ug/L	
Tetrahydrofuran (THF)	< 10	10	ug/L	
Toluene	< 0.5	0.5	ug/L	
Peak present below report level				
1,2,3-Trichlorobenzene	< 1.0	1.0	ug/L	
1,2,4-Trichlorobenzene	< 0.5	0.5	ug/L	
1,1,1-Trichloroethane	< 0.2	0.2	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514028 - 200514036

Date Received: **06-JUN-2005**
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Date Reported: **28-JUN-2005**
Original Date Reported: **09-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514032** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
02-JUN-2005	**1720**	**monitor we** W14	-

Trip Blank	Field Blank
200514040	**200514039**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **MJK** on **09-JUN-05**

Note: Positive Organic Results are indicated by BOLD.

	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS **(Cont.)**				07-JUN-05
1,1,2-Trichloroethane	< 0.2	0.2	ug/L	
Trichloroethene (TCE)	< 0.1	0.1	ug/L	
Trichlorofluoromethane	< 0.5	0.5	ug/L	
1,2,3-Trichloropropane	< 0.5	0.5	ug/L	
1,1,2-Trichlorotrifluoroethane	< 0.2	0.2	ug/L	
1,2,4-Trimethylbenzene	< 0.5	0.5	ug/L	
1,3,5-Trimethylbenzene	< 0.5	0.5	ug/L	
Vinyl chloride	< 0.2	0.2	ug/L	
o-Xylene	< 0.2	0.2	ug/L	
p&m-Xylene	< 0.3	0.3	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514028 - 200514036

Date Received: **06-JUN-2005**
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Date Reported: **28-JUN-2005**
Original Date Reported: **09-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514033** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
02-JUN-2005	**1850**	**w132**	-

Trip Blank	Field Blank
200514040	**200514039**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **MJK** on **09-JUN-05**

Note: Positive Organic Results are indicated by BOLD.

	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS				07-JUN-05
4-Bromofluorobenzene (surrogate)	**96.5**	**70-130**	**%**	
1,2-Dichlorobenzene-D4 (surrogate)	**124**	**70-130**	**%**	
Acetone	< 20	20	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the LCS/LCSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Allyl chloride	< 0.5	0.5	ug/L	
Benzene	**1.4**	**0.2**	**ug/L**	
Bromobenzene	< 0.2	0.2	ug/L	
Bromochloromethane	< 0.5	0.5	ug/L	
Bromodichloromethane	< 0.2	0.2	ug/L	
Bromoform	< 0.5	0.5	ug/L	
Bromomethane	< 1.0	1.0	ug/L	
n-Butylbenzene	< 0.5	0.5	ug/L	
sec-Butylbenzene	< 0.5	0.5	ug/L	
tert-Butylbenzene	< 0.5	0.5	ug/L	
Carbon tetrachloride	< 0.2	0.2	ug/L	
Chlorobenzene	< 0.2	0.2	ug/L	
Chlorodibromomethane	< 0.5	0.5	ug/L	
Chloroethane	< 0.5	0.5	ug/L	
Chloroform	< 0.1	0.1	ug/L	
Chloromethane	< 1.0	1.0	ug/L	
2-Chlorotoluene	< 0.5	0.5	ug/L	
4-Chlorotoluene	< 0.5	0.5	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514028 - 200514036

Date Received: **06-JUN-2005**
Date Generated: **28-JUN-2005**
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Date Reported: **28-JUN-2005**
Original Date Reported: **09-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514033** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
02-JUN-2005	**1850**	**w132**	-

Trip Blank	Field Blank
200514040	**200514039**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **MJK** on **09-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS **(Cont.)**				07-JUN-05
1,2-Dibromo-3-chloropropane (DBCP)	< 2.0	2.0	ug/L	
1,2-Dibromoethane (EDB)	< 0.5	0.5	ug/L	
Dibromomethane	< 0.5	0.5	ug/L	
1,2-Dichlorobenzene	< 0.2	0.2	ug/L	
1,3-Dichlorobenzene	< 0.2	0.2	ug/L	
1,4-Dichlorobenzene	< 0.2	0.2	ug/L	
Dichlorodifluoromethane	< 1.0	1.0	ug/L	
1,1-Dichloroethane	**0.3**	**0.2**	**ug/L**	
1,2-Dichloroethane	< 0.2	0.2	ug/L	
1,1-Dichloroethene	< 0.5	0.5	ug/L	
cis-1,2-Dichloroethene	< 0.2	0.2	ug/L	
Peak present below report level				
trans-1,2-Dichloroethene	< 0.1	0.1	ug/L	
Dichlorofluoromethane	< 0.5	0.5	ug/L	
Peak present below report level				
1,2-Dichloropropane	< 0.2	0.2	ug/L	
1,3-Dichloropropane	< 0.2	0.2	ug/L	
2,2-Dichloropropane	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the LCS/LCSD. The sample result should be considered as estimated.				
1,1-Dichloropropene	< 0.2	0.2	ug/L	
cis-1,3-Dichloropropene	< 0.2	0.2	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514028 - 200514036

Date Received: **06-JUN-2005**
Date Generated: **28-JUN-2005**
Request Page: **23 of 36**
Date Reported: **28-JUN-2005**
Original Date Reported: **09-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514033** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
02-JUN-2005	**1850**	**w132**	-

Trip Blank	Field Blank
200514040	**200514039**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **MJK** on **09-JUN-05**

Note: Positive Organic Results are indicated by BOLD.

	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS **(Cont.)**				07-JUN-05
trans-1,3-Dichloropropene	< 0.2	0.2	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the LCS/LCSD. The sample result should be considered as estimated.				
Ethylbenzene	< 0.5	0.5	ug/L	
Ethyl ether	< 2.0	2.0	ug/L	
Hexachlorobutadiene	< 1.0	1.0	ug/L	
Isopropylbenzene	< 0.5	0.5	ug/L	
p-Isopropyltoluene	< 0.5	0.5	ug/L	
Methylene chloride	< 0.5	0.5	ug/L	
Methyl ethyl ketone (MEK)	< 10	10	ug/L	
Methyl isobutyl ketone (MIBK)	< 5.0	5.0	ug/L	
Methyl tertiary butyl ether (MTBE)	< 2.0	2.0	ug/L	
Naphthalene	< 1.0	1.0	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the LCS/LCSD. The sample result should be considered as estimated.				
n-Propylbenzene	< 0.5	0.5	ug/L	
Styrene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the LCS/LCSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
1,1,1,2-Tetrachloroethane	< 0.2	0.2	ug/L	
1,1,2,2-Tetrachloroethane	< 0.2	0.2	ug/L	
Tetrachloroethene	< 0.2	0.2	ug/L	

Minnesota Department Of Health - Environmental Laboratory

Amended Report - Client Copy - Report Of Analytical Results

Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514028 - 200514036

Date Received: **06-JUN-2005**
Date Generated: **28-JUN-2005**
Request Page: **24 of 36**

Date Reported: **28-JUN-2005**
Original Date Reported: **09-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514033** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
02-JUN-2005	**1850**	**w132**	-

Trip Blank	Field Blank
200514040	**200514039**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **MJK** on **09-JUN-05**

Note: Positive Organic Results are indicated by BOLD.

		Result	Rept Level	Units	Analysis Date
468	VOCs in Water by GC/MS **(Cont.)**				07-JUN-05
	Tetrahydrofuran (THF)	< 10	10	ug/L	
	Toluene	< 0.5	0.5	ug/L	
	1,2,3-Trichlorobenzene	< 1.0	1.0	ug/L	
	1,2,4-Trichlorobenzene	< 0.5	0.5	ug/L	
	1,1,1-Trichloroethane	< 0.2	0.2	ug/L	
	1,1,2-Trichloroethane	< 0.2	0.2	ug/L	
	Trichloroethene (TCE)	< 0.1	0.1	ug/L	
	Trichlorofluoromethane	< 0.5	0.5	ug/L	
	1,2,3-Trichloropropane	< 0.5	0.5	ug/L	
	1,1,2-Trichlorotrifluoroethane	< 0.2	0.2	ug/L	
	1,2,4-Trimethylbenzene	< 0.5	0.5	ug/L	
	1,3,5-Trimethylbenzene	< 0.5	0.5	ug/L	
	Vinyl chloride	**0.7**	**0.2**	**ug/L**	
	o-Xylene	< 0.2	0.2	ug/L	
	p&m-Xylene	< 0.3	0.3	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514028 - 200514036

Date Received: **06-JUN-2005**
Date Generated: **28-JUN-2005**
Request Page: **25 of 36**

Date Reported: **28-JUN-2005**
Original Date Reported: **09-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514034** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
02-JUN-2005	**2030**	**pg2**	-

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Trip Blank	Field Blank
200514040	**200514039**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **MJK** on **09-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS				07-JUN-05
4-Bromofluorobenzene (surrogate)	**95.6**	**70-130**	**%**	
1,2-Dichlorobenzene-D4 (surrogate)	**123**	**70-130**	**%**	
Acetone	< 20	20	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the LCS/LCSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Allyl chloride	< 0.5	0.5	ug/L	
Benzene	**0.3**	**0.2**	**ug/L**	
Bromobenzene	< 0.2	0.2	ug/L	
Bromochloromethane	< 0.5	0.5	ug/L	
Bromodichloromethane	< 0.2	0.2	ug/L	
Bromoform	< 0.5	0.5	ug/L	
Bromomethane	< 1.0	1.0	ug/L	
n-Butylbenzene	< 0.5	0.5	ug/L	
sec-Butylbenzene	< 0.5	0.5	ug/L	
tert-Butylbenzene	< 0.5	0.5	ug/L	
Carbon tetrachloride	< 0.2	0.2	ug/L	
Chlorobenzene	< 0.2	0.2	ug/L	
Chlorodibromomethane	< 0.5	0.5	ug/L	
Chloroethane	< 0.5	0.5	ug/L	
Chloroform	< 0.1	0.1	ug/L	
Chloromethane	< 1.0	1.0	ug/L	
2-Chlorotoluene	< 0.5	0.5	ug/L	
4-Chlorotoluene	< 0.5	0.5	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514028 - 200514036

Date Received: **06-JUN-2005**
Date Generated: **28-JUN-2005**
Request Page: **26 of 36**

Date Reported: **28-JUN-2005**
Original Date Reported: **09-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514034** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
02-JUN-2005	**2030**	**pg2**	-

Trip Blank	Field Blank
200514040	**200514039**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **MJK** on **09-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS **(Cont.)**				07-JUN-05
1,2-Dibromo-3-chloropropane (DBCP)	< 2.0	2.0	ug/L	
1,2-Dibromoethane (EDB)	< 0.5	0.5	ug/L	
Dibromomethane	< 0.5	0.5	ug/L	
1,2-Dichlorobenzene	< 0.2	0.2	ug/L	
1,3-Dichlorobenzene	< 0.2	0.2	ug/L	
1,4-Dichlorobenzene	< 0.2	0.2	ug/L	
Dichlorodifluoromethane	< 1.0	1.0	ug/L	
1,1-Dichloroethane	< 0.2	0.2	ug/L	
1,2-Dichloroethane	< 0.2	0.2	ug/L	
1,1-Dichloroethene	< 0.5	0.5	ug/L	
cis-1,2-Dichloroethene	**0.8**	**0.2**	**ug/L**	
trans-1,2-Dichloroethene	**0.2**	**0.1**	**ug/L**	
Dichlorofluoromethane	< 0.5	0.5	ug/L	
1,2-Dichloropropane	< 0.2	0.2	ug/L	
1,3-Dichloropropane	< 0.2	0.2	ug/L	
2,2-Dichloropropane	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the LCS/LCSD. The sample result should be considered as estimated.				
1,1-Dichloropropene	< 0.2	0.2	ug/L	
cis-1,3-Dichloropropene	< 0.2	0.2	ug/L	
trans-1,3-Dichloropropene	< 0.2	0.2	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the LCS/LCSD. The sample result should be considered as estimated.				

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514028 - 200514036

Date Received: **06-JUN-2005**
Date Generated: **28-JUN-2005**
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Date Reported: **28-JUN-2005**
Original Date Reported: **09-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514034** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
02-JUN-2005	**2030**	**pg2** P62	-

Trip Blank	Field Blank
200514040	**200514039**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **MJK** on **09-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS **(Cont.)**				07-JUN-05
Ethylbenzene	< 0.5	0.5	ug/L	
Ethyl ether	< 2.0	2.0	ug/L	
Hexachlorobutadiene	< 1.0	1.0	ug/L	
Isopropylbenzene	< 0.5	0.5	ug/L	
p-Isopropyltoluene	< 0.5	0.5	ug/L	
Methylene chloride	< 0.5	0.5	ug/L	
Methyl ethyl ketone (MEK)	< 10	10	ug/L	
Methyl isobutyl ketone (MIBK)	< 5.0	5.0	ug/L	
Methyl tertiary butyl ether (MTBE)	< 2.0	2.0	ug/L	
Naphthalene	< 1.0	1.0	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the LCS/LCSD. The sample result should be considered as estimated.				
n-Propylbenzene	< 0.5	0.5	ug/L	
Styrene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the LCS/LCSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
1,1,1,2-Tetrachloroethane	< 0.2	0.2	ug/L	
1,1,2,2-Tetrachloroethane	< 0.2	0.2	ug/L	
Tetrachloroethene	< 0.2	0.2	ug/L	
Tetrahydrofuran (THF)	< 10	10	ug/L	
Toluene	< 0.5	0.5	ug/L	
Peak present below report level				

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514028 - 200514036

Date Received: **06-JUN-2005**
Date Generated: **28-JUN-2005**
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Date Reported: **28-JUN-2005**
Original Date Reported: **09-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514034** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
02-JUN-2005	**2030**	**pg2**	-

Trip Blank	Field Blank
200514040	**200514039**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **MJK** on **09-JUN-05**

Note: Positive Organic Results are indicated by BOLD.

		Result	Rept Level	Units	Analysis Date
468	VOCs in Water by GC/MS **(Cont.)**				07-JUN-05
	1,2,3-Trichlorobenzene	< 1.0	1.0	ug/L	
	1,2,4-Trichlorobenzene	< 0.5	0.5	ug/L	
	1,1,1-Trichloroethane	< 0.2	0.2	ug/L	
	1,1,2-Trichloroethane	< 0.2	0.2	ug/L	
	Trichloroethene (TCE)	< 0.1	0.1	ug/L	
	Trichlorofluoromethane	< 0.5	0.5	ug/L	
	1,2,3-Trichloropropane	< 0.5	0.5	ug/L	
	1,1,2-Trichlorotrifluoroethane	< 0.2	0.2	ug/L	
	1,2,4-Trimethylbenzene	< 0.5	0.5	ug/L	
	1,3,5-Trimethylbenzene	< 0.5	0.5	ug/L	
	Vinyl chloride	**0.2**	**0.2**	**ug/L**	
	o-Xylene	< 0.2	0.2	ug/L	
	p&m-Xylene	< 0.3	0.3	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514028 - 200514036

Date Received: **06-JUN-2005**
Date Generated: **28-JUN-2005**
Request Page: **29 of 36**
Date Reported: **28-JUN-2005**
Original Date Reported: **09-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514035** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
02-JUN-2005	**2150**	**w124**	-

Trip Blank	Field Blank
200514040	**200514039**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **MJK** on **09-JUN-05**

Note: Positive Organic Results are indicated by BOLD.

	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS				07-JUN-05
4-Bromofluorobenzene (surrogate)	**96.1**	**70-130**	**%**	
1,2-Dichlorobenzene-D4 (surrogate)	**128**	**70-130**	**%**	
Acetone	< 20	20	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the LCS/LCSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Allyl chloride	< 0.5	0.5	ug/L	
Benzene	< 0.2	0.2	ug/L	
Bromobenzene	< 0.2	0.2	ug/L	
Bromochloromethane	< 0.5	0.5	ug/L	
Bromodichloromethane	< 0.2	0.2	ug/L	
Bromoform	< 0.5	0.5	ug/L	
Bromomethane	< 1.0	1.0	ug/L	
n-Butylbenzene	< 0.5	0.5	ug/L	
sec-Butylbenzene	< 0.5	0.5	ug/L	
tert-Butylbenzene	< 0.5	0.5	ug/L	
Carbon tetrachloride	< 0.2	0.2	ug/L	
Chlorobenzene	< 0.2	0.2	ug/L	
Chlorodibromomethane	< 0.5	0.5	ug/L	
Chloroethane	< 0.5	0.5	ug/L	
Chloroform	< 0.1	0.1	ug/L	
Chloromethane	< 1.0	1.0	ug/L	
2-Chlorotoluene	< 0.5	0.5	ug/L	
4-Chlorotoluene	< 0.5	0.5	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514028 - 200514036

Date Received: **06-JUN-2005**
Date Generated: **28-JUN-2005**
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Date Reported: **28-JUN-2005**
Original Date Reported: **09-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514035** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
02-JUN-2005	**2150**	**w124**	-

Trip Blank	Field Blank
200514040	**200514039**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **MJK** on **09-JUN-05**

Note: Positive Organic Results are indicated by BOLD.

		Result	Rept Level	Units	Analysis Date
468	VOCs in Water by GC/MS **(Cont.)**				07-JUN-05
	1,2-Dibromo-3-chloropropane (DBCP)	< 2.0	2.0	ug/L	
	1,2-Dibromoethane (EDB)	< 0.5	0.5	ug/L	
	Dibromomethane	< 0.5	0.5	ug/L	
	1,2-Dichlorobenzene	< 0.2	0.2	ug/L	
	1,3-Dichlorobenzene	< 0.2	0.2	ug/L	
	1,4-Dichlorobenzene	< 0.2	0.2	ug/L	
	Dichlorodifluoromethane	< 1.0	1.0	ug/L	
	1,1-Dichloroethane	**0.6**	**0.2**	**ug/L**	
	1,2-Dichloroethane	< 0.2	0.2	ug/L	
	1,1-Dichloroethene	< 0.5	0.5	ug/L	
	cis-1,2-Dichloroethene	< 0.2	0.2	ug/L	
	trans-1,2-Dichloroethene	< 0.1	0.1	ug/L	
	Dichlorofluoromethane	< 0.5	0.5	ug/L	
	1,2-Dichloropropane	< 0.2	0.2	ug/L	
	1,3-Dichloropropane	< 0.2	0.2	ug/L	
	2,2-Dichloropropane	< 0.5	0.5	ug/L	
	The spike recoveries for this target analyte did not meet the QC acceptance criteria in the LCS/LCSD. The sample result shcould be considered as estimated.				
	1,1-Dichloropropene	< 0.2	0.2	ug/L	
	cis-1,3-Dichloropropene	< 0.2	0.2	ug/L	
	trans-1,3-Dichloropropene	< 0.2	0.2	ug/L	
	The spike recoveries for this target analyte did not meet the QC acceptance criteria in the LCS/LCSD. The sample result should be considered as estimated.				

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514028 - 200514036

Date Received: **06-JUN-2005**
Date Generated: **28-JUN-2005**
Request Page: **31 of 36**

Date Reported: **28-JUN-2005**
Original Date Reported: **09-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514035** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
02-JUN-2005	**2150**	**w124**	-

Trip Blank	Field Blank
200514040	**200514039**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **MJK** on **09-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS **(Cont.)**				07-JUN-05
Ethylbenzene	< 0.5	0.5	ug/L	
Ethyl ether	< 2.0	2.0	ug/L	
Hexachlorobutadiene	< 1.0	1.0	ug/L	
Isopropylbenzene	< 0.5	0.5	ug/L	
p-Isopropyltoluene	< 0.5	0.5	ug/L	
Methylene chloride	< 0.5	0.5	ug/L	
Methyl ethyl ketone (MEK)	< 10	10	ug/L	
Methyl isobutyl ketone (MIBK)	< 5.0	5.0	ug/L	
Methyl tertiary butyl ether (MTBE)	< 2.0	2.0	ug/L	
Naphthalene	< 1.0	1.0	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the LCS/LCSD. The sample result should be considered as estimated.				
n-Propylbenzene	< 0.5	0.5	ug/L	
Styrene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the LCS/LCSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
1,1,1,2-Tetrachloroethane	< 0.2	0.2	ug/L	
1,1,2,2-Tetrachloroethane	< 0.2	0.2	ug/L	
Tetrachloroethene	< 0.2	0.2	ug/L	
Tetrahydrofuran (THF)	< 10	10	ug/L	
Toluene	< 0.5	0.5	ug/L	
1,2,3-Trichlorobenzene	< 1.0	1.0	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514028 - 200514036

Date Received: **06-JUN-2005**
Date Generated: **28-JUN-2005**
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Date Reported: **28-JUN-2005**
Original Date Reported: **09-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514035** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
02-JUN-2005	**2150**	**w124**	-

Trip Blank	Field Blank
200514040	**200514039**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **MJK** on **09-JUN-05**

Note: Positive Organic Results are indicated by BOLD.

	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS **(Cont.)**				07-JUN-05
1,2,4-Trichlorobenzene	< 0.5	0.5	ug/L	
1,1,1-Trichloroethane	< 0.2	0.2	ug/L	
1,1,2-Trichloroethane	< 0.2	0.2	ug/L	
Trichloroethene (TCE)	< 0.1	0.1	ug/L	
Trichlorofluoromethane	< 0.5	0.5	ug/L	
1,2,3-Trichloropropane	< 0.5	0.5	ug/L	
1,1,2-Trichlorotrifluoroethane	< 0.2	0.2	ug/L	
1,2,4-Trimethylbenzene	< 0.5	0.5	ug/L	
1,3,5-Trimethylbenzene	< 0.5	0.5	ug/L	
Vinyl chloride	< 0.2	0.2	ug/L	
o-Xylene	< 0.2	0.2	ug/L	
p&m-Xylene	< 0.3	0.3	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514028 - 200514036

Date Received: **06-JUN-2005**
Date Generated: **28-JUN-2005**
Request Page: **33 of 36**

Date Reported: **28-JUN-2005**
Original Date Reported: **09-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514036** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
02-JUN-2005	**1203**	**w425**	-

Trip Blank	Field Blank
200514040	**200514039**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **MJK** on **09-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS				07-JUN-05
4-Bromofluorobenzene (surrogate)	**97.1**	**70-130**	**%**	
1,2-Dichlorobenzene-D4 (surrogate)	**126**	**70-130**	**%**	
Acetone	< 20	20	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the LCS/LCSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Allyl chloride	< 0.5	0.5	ug/L	
Benzene	< 0.2	0.2	ug/L	
Bromobenzene	< 0.2	0.2	ug/L	
Bromochloromethane	< 0.5	0.5	ug/L	
Bromodichloromethane	< 0.2	0.2	ug/L	
Bromoform	< 0.5	0.5	ug/L	
Bromomethane	< 1.0	1.0	ug/L	
n-Butylbenzene	< 0.5	0.5	ug/L	
sec-Butylbenzene	< 0.5	0.5	ug/L	
tert-Butylbenzene	< 0.5	0.5	ug/L	
Carbon tetrachloride	< 0.2	0.2	ug/L	
Chlorobenzene	< 0.2	0.2	ug/L	
Chlorodibromomethane	< 0.5	0.5	ug/L	
Chloroethane	< 0.5	0.5	ug/L	
Chloroform	< 0.1	0.1	ug/L	
Chloromethane	< 1.0	1.0	ug/L	
2-Chlorotoluene	< 0.5	0.5	ug/L	
4-Chlorotoluene	< 0.5	0.5	ug/L	

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Program: **PL**
Program Name: ***MPCA-32 METRO MERLA-SF***

Samples: 200514028 - 200514036

Date Received: **06-JUN-2005**
Date Generated: **28-JUN-2005**
Request Page: **34 of 36**

Date Reported: **28-JUN-2005**
Original Date Reported: **09-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514036** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
02-JUN-2005	**1203**	**w425**	-

Trip Blank	Field Blank
200514040	**200514039**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **MJK** on **09-JUN-05**

Note: Positive Organic Results are indicated by BOLD.

	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS **(Cont.)**				07-JUN-05
1,2-Dibromo-3-chloropropane (DBCP)	< 2.0	2.0	ug/L	
1,2-Dibromoethane (EDB)	< 0.5	0.5	ug/L	
Dibromomethane	< 0.5	0.5	ug/L	
1,2-Dichlorobenzene	< 0.2	0.2	ug/L	
1,3-Dichlorobenzene	< 0.2	0.2	ug/L	
1,4-Dichlorobenzene	< 0.2	0.2	ug/L	
Dichlorodifluoromethane	< 1.0	1.0	ug/L	
1,1-Dichloroethane	< 0.2	0.2	ug/L	
1,2-Dichloroethane	< 0.2	0.2	ug/L	
1,1-Dichloroethene	< 0.5	0.5	ug/L	
cis-1,2-Dichloroethene	< 0.2	0.2	ug/L	
trans-1,2-Dichloroethene	< 0.1	0.1	ug/L	
Dichlorofluoromethane	< 0.5	0.5	ug/L	
1,2-Dichloropropane	< 0.2	0.2	ug/L	
1,3-Dichloropropane	< 0.2	0.2	ug/L	
2,2-Dichloropropane	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the LCS/LCSD. The sample result should be considered as estimated.				
1,1-Dichloropropene	< 0.2	0.2	ug/L	
cis-1,3-Dichloropropene	< 0.2	0.2	ug/L	
trans-1,3-Dichloropropene	< 0.2	0.2	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the LCS/LCSD. The sample result should be considered as estimated.				

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514028 - 200514036

Date Received: **06-JUN-2005**
Date Generated: **28-JUN-2005**
Request Page: **35 of 36**

Date Reported: **28-JUN-2005**
Original Date Reported: **09-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514036** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
02-JUN-2005	**1203**	**w425**	-

Trip Blank	Field Blank
200514040	**200514039**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **MJK** on **09-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS **(Cont.)**				07-JUN-05
Ethylbenzene	< 0.5	0.5	ug/L	
Ethyl ether	< 2.0	2.0	ug/L	
Hexachlorobutadiene	< 1.0	1.0	ug/L	
Isopropylbenzene	< 0.5	0.5	ug/L	
p-Isopropyltoluene	< 0.5	0.5	ug/L	
Methylene chloride	< 0.5	0.5	ug/L	
Methyl ethyl ketone (MEK)	< 10	10	ug/L	
Methyl isobutyl ketone (MIBK)	< 5.0	5.0	ug/L	
Methyl tertiary butyl ether (MTBE)	< 2.0	2.0	ug/L	
Naphthalene	< 1.0	1.0	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the LCS/LCSD. The sample result should be considered as estimated.				
n-Propylbenzene	< 0.5	0.5	ug/L	
Styrene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the LCS/LCSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
1,1,1,2-Tetrachloroethane	< 0.2	0.2	ug/L	
1,1,2,2-Tetrachloroethane	< 0.2	0.2	ug/L	
Tetrachloroethene	< 0.2	0.2	ug/L	
Tetrahydrofuran (THF)	< 10	10	ug/L	
Toluene	**3.5**	**0.5**	**ug/L**	
1,2,3-Trichlorobenzene	< 1.0	1.0	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514028 - 200514036

Date Received: **06-JUN-2005**
Date Generated: **28-JUN-2005**
Request Page: **36 of 36**

Date Reported: **28-JUN-2005**
Original Date Reported: **09-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514036** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
02-JUN-2005	**1203**	**w425**	-

Trip Blank	Field Blank
200514040	**200514039**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **MJK** on **09-JUN-05**

Note: Positive Organic Results are indicated by BOLD.

	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS **(Cont.)**				07-JUN-05
1,2,4-Trichlorobenzene	< 0.5	0.5	ug/L	
1,1,1-Trichloroethane	< 0.2	0.2	ug/L	
1,1,2-Trichloroethane	< 0.2	0.2	ug/L	
Trichloroethene (TCE)	< 0.1	0.1	ug/L	
Trichlorofluoromethane	< 0.5	0.5	ug/L	
1,2,3-Trichloropropane	< 0.5	0.5	ug/L	
1,1,2-Trichlorotrifluoroethane	< 0.2	0.2	ug/L	
1,2,4-Trimethylbenzene	< 0.5	0.5	ug/L	
1,3,5-Trimethylbenzene	< 0.5	0.5	ug/L	
Vinyl chloride	< 0.2	0.2	ug/L	
o-Xylene	< 0.2	0.2	ug/L	
p&m-Xylene	< 0.3	0.3	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514037 - 200514040

Date Received: **06-JUN-2005**
Date Generated: **28-JUN-2005**
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Date Reported: **28-JUN-2005**
Original Date Reported: **09-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514037** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
02-JUN-2005	**2030**	**w429ms**	-

Trip Blank	Field Blank
200514040	**200514039**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **MJK** on **09-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS				07-JUN-05
4-Bromofluorobenzene (surrogate)	**96.7**	**70-130**	**%**	
1,2-Dichlorobenzene-D4 (surrogate)	**128**	**70-130**	**%**	
Acetone	< 20	20	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the LCS/LCSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Allyl chloride	< 0.5	0.5	ug/L	
Benzene	< 0.2	0.2	ug/L	
Bromobenzene	< 0.2	0.2	ug/L	
Bromochloromethane	< 0.5	0.5	ug/L	
Bromodichloromethane	< 0.2	0.2	ug/L	
Bromoform	< 0.5	0.5	ug/L	
Bromomethane	< 1.0	1.0	ug/L	
n-Butylbenzene	< 0.5	0.5	ug/L	
sec-Butylbenzene	< 0.5	0.5	ug/L	
tert-Butylbenzene	< 0.5	0.5	ug/L	
Carbon tetrachloride	< 0.2	0.2	ug/L	
Chlorobenzene	< 0.2	0.2	ug/L	
Chlorodibromomethane	< 0.5	0.5	ug/L	
Chloroethane	< 0.5	0.5	ug/L	
Chloroform	< 0.1	0.1	ug/L	
Peak present below report level				
Chloromethane	< 1.0	1.0	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514037 - 200514040

Date Received: **06-JUN-2005**
Date Generated: **28-JUN-2005**
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Date Reported: **28-JUN-2005**
Original Date Reported: **09-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514037** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
02-JUN-2005	**2030**	**w429ms**	-

Trip Blank	Field Blank
200514040	**200514039**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **MJK** on **09-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS **(Cont.)**				07-JUN-05
2-Chlorotoluene	< 0.5	0.5	ug/L	
4-Chlorotoluene	< 0.5	0.5	ug/L	
1,2-Dibromo-3-chloropropane (DBCP)	< 2.0	2.0	ug/L	
1,2-Dibromoethane (EDB)	< 0.5	0.5	ug/L	
Dibromomethane	< 0.5	0.5	ug/L	
1,2-Dichlorobenzene	< 0.2	0.2	ug/L	
1,3-Dichlorobenzene	< 0.2	0.2	ug/L	
1,4-Dichlorobenzene	< 0.2	0.2	ug/L	
Dichlorodifluoromethane	< 1.0	1.0	ug/L	
1,1-Dichloroethane	< 0.2	0.2	ug/L	
1,2-Dichloroethane	< 0.2	0.2	ug/L	
1,1-Dichloroethene	< 0.5	0.5	ug/L	
cis-1,2-Dichloroethene	< 0.2	0.2	ug/L	
trans-1,2-Dichloroethene	< 0.1	0.1	ug/L	
Dichlorofluoromethane	< 0.5	0.5	ug/L	
1,2-Dichloropropane	< 0.2	0.2	ug/L	
1,3-Dichloropropane	< 0.2	0.2	ug/L	
2,2-Dichloropropane	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the LCS/LCSD. The sample result should be considered as estimated.				
1,1-Dichloropropene	< 0.2	0.2	ug/L	
cis-1,3-Dichloropropene	< 0.2	0.2	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514037 - 200514040

Date Received: **06-JUN-2005**
Date Generated: **28-JUN-2005**
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Date Reported: **28-JUN-2005**
Original Date Reported: **09-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514037** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
02-JUN-2005	**2030**	**w429ms**	-

Trip Blank	Field Blank
200514040	**200514039**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **MJK** on **09-JUN-05**

Note: Positive Organic Results are indicated by BOLD.

		Result	Rept Level	Units	Analysis Date
468	VOCs in Water by GC/MS **(Cont.)**				07-JUN-05
	trans-1,3-Dichloropropene	< 0.2	0.2	ug/L	
	The spike recoveries for this target analyte did not meet the QC acceptance criteria in the LCS/LCSD. The sample result should be considered as estimated.				
	Ethylbenzene	< 0.5	0.5	ug/L	
	Ethyl ether	< 2.0	2.0	ug/L	
	Hexachlorobutadiene	< 1.0	1.0	ug/L	
	Isopropylbenzene	< 0.5	0.5	ug/L	
	p-Isopropyltoluene	< 0.5	0.5	ug/L	
	Methylene chloride	< 0.5	0.5	ug/L	
	Methyl ethyl ketone (MEK)	< 10	10	ug/L	
	Methyl isobutyl ketone (MIBK)	< 5.0	5.0	ug/L	
	Methyl tertiary butyl ether (MTBE)	< 2.0	2.0	ug/L	
	Naphthalene	< 1.0	1.0	ug/L	
	The spike recoveries for this target analyte did not meet the QC acceptance criteria in the LCS/LCSD. The sample result should be considered as estimated.				
	n-Propylbenzene	< 0.5	0.5	ug/L	
	Styrene	< 0.5	0.5	ug/L	
	The spike recoveries for this target analyte did not meet the QC acceptance criteria in the LCS/LCSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
	1,1,1,2-Tetrachloroethane	< 0.2	0.2	ug/L	
	1,1,2,2-Tetrachloroethane	< 0.2	0.2	ug/L	
	Tetrachloroethene	< 0.2	0.2	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514037 - 200514040

Date Received: **06-JUN-2005**
Date Generated: **28-JUN-2005**
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Date Reported: **28-JUN-2005**
Original Date Reported: **09-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514037** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
02-JUN-2005	**2030**	**w429ms**	-

Trip Blank	Field Blank
200514040	**200514039**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **MJK** on **09-JUN-05**

Note: Positive Organic Results are indicated by BOLD.

	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS **(Cont.)**				07-JUN-05
Tetrahydrofuran (THF)	< 10	10	ug/L	
Toluene	< 0.5	0.5	ug/L	
Peak present below report level				
1,2,3-Trichlorobenzene	< 1.0	1.0	ug/L	
1,2,4-Trichlorobenzene	< 0.5	0.5	ug/L	
1,1,1-Trichloroethane	< 0.2	0.2	ug/L	
1,1,2-Trichloroethane	< 0.2	0.2	ug/L	
Trichloroethene (TCE)	< 0.1	0.1	ug/L	
Trichlorofluoromethane	< 0.5	0.5	ug/L	
1,2,3-Trichloropropane	< 0.5	0.5	ug/L	
1,1,2-Trichlorotrifluoroethane	< 0.2	0.2	ug/L	
1,2,4-Trimethylbenzene	< 0.5	0.5	ug/L	
1,3,5-Trimethylbenzene	< 0.5	0.5	ug/L	
Vinyl chloride	< 0.2	0.2	ug/L	
o-Xylene	< 0.2	0.2	ug/L	
p&m-Xylene	< 0.3	0.3	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514037 - 200514040

Date Received: **06-JUN-2005**
Date Generated: **28-JUN-2005**
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Date Reported: **28-JUN-2005**
Original Date Reported: **09-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514038** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
02-JUN-2005	**2150**	**w429msd**	-

Trip Blank	Field Blank
200514040	**200514039**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **MJK** on **09-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS				07-JUN-05
4-Bromofluorobenzene (surrogate)	**94.8**	**70-130**	**%**	
1,2-Dichlorobenzene-D4 (surrogate)	**128**	**70-130**	**%**	
Acetone	< 20	20	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the LCS/LCSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Allyl chloride	< 0.5	0.5	ug/L	
Benzene	< 0.2	0.2	ug/L	
Bromobenzene	< 0.2	0.2	ug/L	
Bromochloromethane	< 0.5	0.5	ug/L	
Bromodichloromethane	< 0.2	0.2	ug/L	
Bromoform	< 0.5	0.5	ug/L	
Bromomethane	< 1.0	1.0	ug/L	
n-Butylbenzene	< 0.5	0.5	ug/L	
sec-Butylbenzene	< 0.5	0.5	ug/L	
tert-Butylbenzene	< 0.5	0.5	ug/L	
Carbon tetrachloride	< 0.2	0.2	ug/L	
Chlorobenzene	< 0.2	0.2	ug/L	
Chlorodibromomethane	< 0.5	0.5	ug/L	
Chloroethane	< 0.5	0.5	ug/L	
Chloroform	< 0.1	0.1	ug/L	
Peak present below report level				
Chloromethane	< 1.0	1.0	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514037 - 200514040

Date Received: **06-JUN-2005**
Date Generated: **28-JUN-2005**
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Date Reported: **28-JUN-2005**
Original Date Reported: **09-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514038** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
02-JUN-2005	**2150**	**w429msd**	-

Trip Blank	Field Blank
200514040	**200514039**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **MJK** on **09-JUN-05**

Note: Positive Organic Results are indicated by BOLD.

	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS **(Cont.)**				07-JUN-05
2-Chlorotoluene	< 0.5	0.5	ug/L	
4-Chlorotoluene	< 0.5	0.5	ug/L	
1,2-Dibromo-3-chloropropane (DBCP)	< 2.0	2.0	ug/L	
1,2-Dibromoethane (EDB)	< 0.5	0.5	ug/L	
Dibromomethane	< 0.5	0.5	ug/L	
1,2-Dichlorobenzene	< 0.2	0.2	ug/L	
1,3-Dichlorobenzene	< 0.2	0.2	ug/L	
1,4-Dichlorobenzene	< 0.2	0.2	ug/L	
Dichlorodifluoromethane	< 1.0	1.0	ug/L	
1,1-Dichloroethane	< 0.2	0.2	ug/L	
1,2-Dichloroethane	< 0.2	0.2	ug/L	
1,1-Dichloroethene	< 0.5	0.5	ug/L	
cis-1,2-Dichloroethene	< 0.2	0.2	ug/L	
trans-1,2-Dichloroethene	< 0.1	0.1	ug/L	
Dichlorofluoromethane	< 0.5	0.5	ug/L	
1,2-Dichloropropane	< 0.2	0.2	ug/L	
1,3-Dichloropropane	< 0.2	0.2	ug/L	
2,2-Dichloropropane	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the LCS/LCSD. The sample result should be considered as estimated.				
1,1-Dichloropropene	< 0.2	0.2	ug/L	
cis-1,3-Dichloropropene	< 0.2	0.2	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514037 - 200514040

Date Received: **06-JUN-2005**
Date Generated: **28-JUN-2005**
Request Page: **7 of 16**

Date Reported: **28-JUN-2005**
Original Date Reported: **09-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514038** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
02-JUN-2005	**2150**	**w429msd**	-

Trip Blank	Field Blank
200514040	**200514039**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **MJK** on **09-JUN-05**

	Result	**Rept Level**	**Units**	**Analysis Date**
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS **(Cont.)**				07-JUN-05
trans-1,3-Dichloropropene	< 0.2	0.2	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the LCS/LCSD. The sample result should be considered as estimated.				
Ethylbenzene	< 0.5	0.5	ug/L	
Ethyl ether	< 2.0	2.0	ug/L	
Hexachlorobutadiene	< 1.0	1.0	ug/L	
Isopropylbenzene	< 0.5	0.5	ug/L	
p-Isopropyltoluene	< 0.5	0.5	ug/L	
Methylene chloride	< 0.5	0.5	ug/L	
Methyl ethyl ketone (MEK)	< 10	10	ug/L	
Methyl isobutyl ketone (MIBK)	< 5.0	5.0	ug/L	
Methyl tertiary butyl ether (MTBE)	< 2.0	2.0	ug/L	
Naphthalene	< 1.0	1.0	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the LCS/LCSD. The sample result should be considered as estimated.				
n-Propylbenzene	< 0.5	0.5	ug/L	
Styrene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the LCS/LCSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
1,1,1,2-Tetrachloroethane	< 0.2	0.2	ug/L	
1,1,2,2-Tetrachloroethane	< 0.2	0.2	ug/L	
Tetrachloroethene	< 0.2	0.2	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514037 - 200514040

Date Received: **06-JUN-2005**
Date Generated: **28-JUN-2005**
Request Page: **8 of 16**
Date Reported: **28-JUN-2005**
Original Date Reported: **09-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514038** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
02-JUN-2005	**2150**	**w429msd**	-

Trip Blank	Field Blank
200514040	**200514039**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **MJK** on **09-JUN-05**

Note: Positive Organic Results are indicated by BOLD.

	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS **(Cont.)**				07-JUN-05
Tetrahydrofuran (THF)	< 10	10	ug/L	
Toluene	< 0.5	0.5	ug/L	
Peak present below report level				
1,2,3-Trichlorobenzene	< 1.0	1.0	ug/L	
1,2,4-Trichlorobenzene	< 0.5	0.5	ug/L	
1,1,1-Trichloroethane	< 0.2	0.2	ug/L	
1,1,2-Trichloroethane	< 0.2	0.2	ug/L	
Trichloroethene (TCE)	< 0.1	0.1	ug/L	
Trichlorofluoromethane	< 0.5	0.5	ug/L	
1,2,3-Trichloropropane	< 0.5	0.5	ug/L	
1,1,2-Trichlorotrifluoroethane	< 0.2	0.2	ug/L	
1,2,4-Trimethylbenzene	< 0.5	0.5	ug/L	
1,3,5-Trimethylbenzene	< 0.5	0.5	ug/L	
Vinyl chloride	< 0.2	0.2	ug/L	
o-Xylene	< 0.2	0.2	ug/L	
p&m-Xylene	< 0.3	0.3	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514037 - 200514040

Date Received: **06-JUN-2005**
Date Generated: **28-JUN-2005**
Request Page: **9 of 16**

Date Reported: **28-JUN-2005**
Original Date Reported: **09-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514039** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
02-JUN-2005	**1340**	**field blan**	-

Trip Blank	Field Blank
200514040	**200514039**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **MJK** on **09-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS				07-JUN-05
4-Bromofluorobenzene (surrogate)	**97.4**	**70-130**	**%**	
1,2-Dichlorobenzene-D4 (surrogate)	**126**	**70-130**	**%**	
Acetone	< 20	20	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the LCS/LCSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Allyl chloride	< 0.5	0.5	ug/L	
Benzene	< 0.2	0.2	ug/L	
Bromobenzene	< 0.2	0.2	ug/L	
Bromochloromethane	< 0.5	0.5	ug/L	
Bromodichloromethane	< 0.2	0.2	ug/L	
Bromoform	< 0.5	0.5	ug/L	
Bromomethane	< 1.0	1.0	ug/L	
n-Butylbenzene	< 0.5	0.5	ug/L	
sec-Butylbenzene	< 0.5	0.5	ug/L	
tert-Butylbenzene	< 0.5	0.5	ug/L	
Carbon tetrachloride	< 0.2	0.2	ug/L	
Chlorobenzene	< 0.2	0.2	ug/L	
Chlorodibromomethane	< 0.5	0.5	ug/L	
Chloroethane	< 0.5	0.5	ug/L	
Chloroform	**0.7**	**0.1**	**ug/L**	
Chloromethane	< 1.0	1.0	ug/L	
2-Chlorotoluene	< 0.5	0.5	ug/L	
4-Chlorotoluene	< 0.5	0.5	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514037 - 200514040

Date Received: **06-JUN-2005**
Date Generated: **28-JUN-2005**
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Date Reported: **28-JUN-2005**
Original Date Reported: **09-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514039** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
02-JUN-2005	**1340**	**field blan**	-

Trip Blank	Field Blank
200514040	**200514039**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **MJK** on **09-JUN-05**

Note: Positive Organic Results are indicated by BOLD.

		Result	Rept Level	Units	Analysis Date
468	VOCs in Water by GC/MS **(Cont.)**				07-JUN-05
	1,2-Dibromo-3-chloropropane (DBCP)	< 2.0	2.0	ug/L	
	1,2-Dibromoethane (EDB)	< 0.5	0.5	ug/L	
	Dibromomethane	< 0.5	0.5	ug/L	
	1,2-Dichlorobenzene	< 0.2	0.2	ug/L	
	1,3-Dichlorobenzene	< 0.2	0.2	ug/L	
	1,4-Dichlorobenzene	< 0.2	0.2	ug/L	
	Dichlorodifluoromethane	< 1.0	1.0	ug/L	
	1,1-Dichloroethane	< 0.2	0.2	ug/L	
	1,2-Dichloroethane	< 0.2	0.2	ug/L	
	1,1-Dichloroethene	< 0.5	0.5	ug/L	
	cis-1,2-Dichloroethene	< 0.2	0.2	ug/L	
	trans-1,2-Dichloroethene	< 0.1	0.1	ug/L	
	Dichlorofluoromethane	< 0.5	0.5	ug/L	
	1,2-Dichloropropane	< 0.2	0.2	ug/L	
	1,3-Dichloropropane	< 0.2	0.2	ug/L	
	2,2-Dichloropropane	< 0.5	0.5	ug/L	
	The spike recoveries for this target analyte did not meet the QC acceptance criteria in the LCS/LCSD. The sample result should be considered as estimated.				
	1,1-Dichloropropene	< 0.2	0.2	ug/L	
	cis-1,3-Dichloropropene	< 0.2	0.2	ug/L	
	trans-1,3-Dichloropropene	< 0.2	0.2	ug/L	
	The spike recoveries for this target analyte did not meet the QC acceptance criteria in the LCS/LCSD. The sample result should be considered as estimated.				

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514037 - 200514040

Date Received: **06-JUN-2005**
Date Generated: **28-JUN-2005**
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Date Reported: **28-JUN-2005**
Original Date Reported: **09-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514039** Receiving Comments: **-**

Coll Date	Coll Time	Field No	Sampling Point
02-JUN-2005	**1340**	**field blan**	**-**

Trip Blank	Field Blank
200514040	**200514039**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **MJK** on **09-JUN-05**

Note: Positive Organic Results are indicated by BOLD.

	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS **(Cont.)**				07-JUN-05
Ethylbenzene	< 0.5	0.5	ug/L	
Ethyl ether	< 2.0	2.0	ug/L	
Hexachlorobutadiene	< 1.0	1.0	ug/L	
Isopropylbenzene	< 0.5	0.5	ug/L	
p-Isopropyltoluene	< 0.5	0.5	ug/L	
Methylene chloride	< 0.5	0.5	ug/L	
Methyl ethyl ketone (MEK)	< 10	10	ug/L	
Methyl isobutyl ketone (MIBK)	< 5.0	5.0	ug/L	
Methyl tertiary butyl ether (MTBE)	< 2.0	2.0	ug/L	
Naphthalene	< 1.0	1.0	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the LCS/LCSD. The sample result should be considered as estimated.				
n-Propylbenzene	< 0.5	0.5	ug/L	
Styrene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the LCS/LCSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
1,1,1,2-Tetrachloroethane	< 0.2	0.2	ug/L	
1,1,2,2-Tetrachloroethane	< 0.2	0.2	ug/L	
Tetrachloroethene	< 0.2	0.2	ug/L	
Tetrahydrofuran (THF)	< 10	10	ug/L	
Toluene	< 0.5	0.5	ug/L	
1,2,3-Trichlorobenzene	< 1.0	1.0	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514037 - 200514040

Date Received: **06-JUN-2005**
Date Generated: **28-JUN-2005**
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Date Reported: **28-JUN-2005**
Original Date Reported: **09-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514039** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
02-JUN-2005	**1340**	**field blan**	-

Trip Blank	Field Blank
200514040	**200514039**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **MJK** on **09-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS **(Cont.)**				07-JUN-05
1,2,4-Trichlorobenzene	< 0.5	0.5	ug/L	
1,1,1-Trichloroethane	< 0.2	0.2	ug/L	
1,1,2-Trichloroethane	< 0.2	0.2	ug/L	
Trichloroethene (TCE)	< 0.1	0.1	ug/L	
Trichlorofluoromethane	< 0.5	0.5	ug/L	
1,2,3-Trichloropropane	< 0.5	0.5	ug/L	
1,1,2-Trichlorotrifluoroethane	< 0.2	0.2	ug/L	
1,2,4-Trimethylbenzene	< 0.5	0.5	ug/L	
1,3,5-Trimethylbenzene	< 0.5	0.5	ug/L	
Vinyl chloride	< 0.2	0.2	ug/L	
Peak present below report level				
o-Xylene	< 0.2	0.2	ug/L	
p&m-Xylene	< 0.3	0.3	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514037 - 200514040

Date Received: **06-JUN-2005**
Date Generated: **28-JUN-2005**
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Date Reported: **28-JUN-2005**
Original Date Reported: **09-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514040** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
02-JUN-2005	-	**trip blank**	-

Trip Blank	Field Blank
200514040	**200514039**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **MJK** on **09-JUN-05**

Note: Positive Organic Results are indicated by BOLD.

	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS				07-JUN-05
4-Bromofluorobenzene (surrogate)	**98.5**	**70-130**	**%**	
1,2-Dichlorobenzene-D4 (surrogate)	**129**	**70-130**	**%**	
Acetone	< 20	20	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the LCS/LCSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Allyl chloride	< 0.5	0.5	ug/L	
Benzene	< 0.2	0.2	ug/L	
Bromobenzene	< 0.2	0.2	ug/L	
Bromochloromethane	< 0.5	0.5	ug/L	
Bromodichloromethane	< 0.2	0.2	ug/L	
Bromoform	< 0.5	0.5	ug/L	
Bromomethane	< 1.0	1.0	ug/L	
n-Butylbenzene	< 0.5	0.5	ug/L	
sec-Butylbenzene	< 0.5	0.5	ug/L	
tert-Butylbenzene	< 0.5	0.5	ug/L	
Carbon tetrachloride	< 0.2	0.2	ug/L	
Chlorobenzene	< 0.2	0.2	ug/L	
Chlorodibromomethane	< 0.5	0.5	ug/L	
Chloroethane	< 0.5	0.5	ug/L	
Chloroform	< 0.1	0.1	ug/L	
Chloromethane	< 1.0	1.0	ug/L	
2-Chlorotoluene	< 0.5	0.5	ug/L	
4-Chlorotoluene	< 0.5	0.5	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514037 - 200514040

Date Received: **06-JUN-2005**
Date Generated: **28-JUN-2005**
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Date Reported: **28-JUN-2005**
Original Date Reported: **09-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514040** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
02-JUN-2005	-	**trip blank**	-

Trip Blank	Field Blank
200514040	**200514039**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **MJK** on **09-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS **(Cont.)**				07-JUN-05
1,2-Dibromo-3-chloropropane (DBCP)	< 2.0	2.0	ug/L	
1,2-Dibromoethane (EDB)	< 0.5	0.5	ug/L	
Dibromomethane	< 0.5	0.5	ug/L	
1,2-Dichlorobenzene	< 0.2	0.2	ug/L	
1,3-Dichlorobenzene	< 0.2	0.2	ug/L	
1,4-Dichlorobenzene	< 0.2	0.2	ug/L	
Dichlorodifluoromethane	< 1.0	1.0	ug/L	
1,1-Dichloroethane	< 0.2	0.2	ug/L	
1,2-Dichloroethane	< 0.2	0.2	ug/L	
1,1-Dichloroethene	< 0.5	0.5	ug/L	
cis-1,2-Dichloroethene	< 0.2	0.2	ug/L	
trans-1,2-Dichloroethene	< 0.1	0.1	ug/L	
Dichlorofluoromethane	< 0.5	0.5	ug/L	
1,2-Dichloropropane	< 0.2	0.2	ug/L	
1,3-Dichloropropane	< 0.2	0.2	ug/L	
2,2-Dichloropropane	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the LCS/LCSD. The sample result should be considered as estimated.				
1,1-Dichloropropene	< 0.2	0.2	ug/L	
cis-1,3-Dichloropropene	< 0.2	0.2	ug/L	
trans-1,3-Dichloropropene	< 0.2	0.2	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the LCS/LCSD. The sample result should be considered as estimated.				

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514037 - 200514040

Date Received: **06-JUN-2005**
Date Generated: **28-JUN-2005**
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Date Reported: **28-JUN-2005**
Original Date Reported: **09-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514040** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
02-JUN-2005	-	**trip blank**	-

Trip Blank	Field Blank
200514040	**200514039**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **MJK** on **09-JUN-05**

	Result	**Rept Level**	**Units**	**Analysis Date**
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS **(Cont.)**				07-JUN-05
Ethylbenzene	< 0.5	0.5	ug/L	
Ethyl ether	< 2.0	2.0	ug/L	
Hexachlorobutadiene	< 1.0	1.0	ug/L	
Isopropylbenzene	< 0.5	0.5	ug/L	
p-Isopropyltoluene	< 0.5	0.5	ug/L	
Methylene chloride	< 0.5	0.5	ug/L	
Methyl ethyl ketone (MEK)	< 10	10	ug/L	
Methyl isobutyl ketone (MIBK)	< 5.0	5.0	ug/L	
Methyl tertiary butyl ether (MTBE)	< 2.0	2.0	ug/L	
Naphthalene	< 1.0	1.0	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the LCS/LCSD. The sample result should be considered as estimated.				
n-Propylbenzene	< 0.5	0.5	ug/L	
Styrene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the LCS/LCSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
1,1,1,2-Tetrachloroethane	< 0.2	0.2	ug/L	
1,1,2,2-Tetrachloroethane	< 0.2	0.2	ug/L	
Tetrachloroethene	< 0.2	0.2	ug/L	
Tetrahydrofuran (THF)	< 10	10	ug/L	
Toluene	< 0.5	0.5	ug/L	
1,2,3-Trichlorobenzene	< 1.0	1.0	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514037 - 200514040

Date Received: **06-JUN-2005**
Date Generated: **28-JUN-2005**
Request Page: **16 of 16**

Date Reported: **28-JUN-2005**
Original Date Reported: **09-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514040** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
02-JUN-2005	-	**trip blank**	-

Trip Blank	Field Blank
200514040	**200514039**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **MJK** on **09-JUN-05**

Note: Positive Organic Results are indicated by BOLD.

		Result	Rept Level	Units	Analysis Date
468	VOCs in Water by GC/MS **(Cont.)**				07-JUN-05
	1,2,4-Trichlorobenzene	< 0.5	0.5	ug/L	
	1,1,1-Trichloroethane	< 0.2	0.2	ug/L	
	1,1,2-Trichloroethane	< 0.2	0.2	ug/L	
	Trichloroethene (TCE)	< 0.1	0.1	ug/L	
	Trichlorofluoromethane	< 0.5	0.5	ug/L	
	1,2,3-Trichloropropane	< 0.5	0.5	ug/L	
	1,1,2-Trichlorotrifluoroethane	< 0.2	0.2	ug/L	
	1,2,4-Trimethylbenzene	< 0.5	0.5	ug/L	
	1,3,5-Trimethylbenzene	< 0.5	0.5	ug/L	
	Vinyl chloride	< 0.2	0.2	ug/L	
	o-Xylene	< 0.2	0.2	ug/L	
	p&m-Xylene	< 0.3	0.3	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514041 - 200514049

Date Received: **06-JUN-2005**
Date Generated: **24-JUN-2005**
Request Page: **1 of 46**

Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514041** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
03-JUN-2005	**0840**	**w22**	-

Trip Blank	Field Blank
200514052	**200514044**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

	Result	**Rept Level**	**Units**	**Analysis Date**
Note: Positive Organic Results are indicated by BOLD.				
168 VOCs in Water by GC/MS				07-JUN-05
Tenative detection of indane at 2 ug/L (concentration estimated).				
4-Bromofluorobenzene (surrogate)	**97.0**	**70-130**	**%**	
1,2-Dichlorobenzene-D4 (surrogate)	**129**	**70-130**	**%**	
Acetone	< 20	20	ug/L	
Allyl chloride	< 0.5	0.5	ug/L	
Benzene	**0.8**	**0.2**	**ug/L**	
Bromobenzene	< 0.2	0.2	ug/L	
Bromochloromethane	< 0.5	0.5	ug/L	
Bromodichloromethane	< 0.2	0.2	ug/L	
Bromoform	< 0.5	0.5	ug/L	
Bromomethane	< 1.0	1.0	ug/L	
n-Butylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
sec-Butylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
tert-Butylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514041 - 200514049

Date Received: **06-JUN-2005**
Date Generated: **24-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514041** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
03-JUN-2005	**0840**	**w22**	-

Trip Blank	Field Blank
200514052	**200514044**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

Note: Positive Organic Results are indicated by BOLD.

		Result	Rept Level	Units	Analysis Date
468	VOCs in Water by GC/MS **(Cont.)**				07-JUN-05
	Tenative detection of indane at 2 ug/L (concentration estimated).				
	Carbon tetrachloride	< 0.2	0.2	ug/L	
	Chlorobenzene	< 0.2	0.2	ug/L	
	Chlorodibromomethane	< 0.5	0.5	ug/L	
	Chloroethane	< 0.5	0.5	ug/L	
	Chloroform	< 0.1	0.1	ug/L	
	Chloromethane	< 1.0	1.0	ug/L	
	2-Chlorotoluene	< 0.5	0.5	ug/L	
	The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
	4-Chlorotoluene	< 0.5	0.5	ug/L	
	1,2-Dibromo-3-chloropropane (DBCP)	< 2.0	2.0	ug/L	
	1,2-Dibromoethane (EDB)	< 0.5	0.5	ug/L	
	Dibromomethane	< 0.5	0.5	ug/L	
	1,2-Dichlorobenzene	< 0.2	0.2	ug/L	
	1,3-Dichlorobenzene	< 0.2	0.2	ug/L	
	1,4-Dichlorobenzene	< 0.2	0.2	ug/L	
	Dichlorodifluoromethane	< 1.0	1.0	ug/L	
	1,1-Dichloroethane	< 0.2	0.2	ug/L	
	1,2-Dichloroethane	< 0.2	0.2	ug/L	
	1,1-Dichloroethene	< 0.5	0.5	ug/L	
	cis-1,2-Dichloroethene	< 0.2	0.2	ug/L	

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Amended Report - Client Copy - Report Of Analytical Results

Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514041 - 200514049

Date Received: **06-JUN-2005**
Date Generated: **24-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514041** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
03-JUN-2005	**0840**	**w22**	-

Trip Blank	Field Blank
200514052	**200514044**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

Note: Positive Organic Results are indicated by BOLD.

	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS **(Cont.)**				07-JUN-05
Tenative detection of indane at 2 ug/L (concentration estimated).				
trans-1,2-Dichloroethene	< 0.1	0.1	ug/L	
Dichlorofluoromethane	< 0.5	0.5	ug/L	
1,2-Dichloropropane	< 0.2	0.2	ug/L	
1,3-Dichloropropane	< 0.2	0.2	ug/L	
2,2-Dichloropropane	< 0.5	0.5	ug/L	
1,1-Dichloropropene	< 0.2	0.2	ug/L	
cis-1,3-Dichloropropene	< 0.2	0.2	ug/L	
trans-1,3-Dichloropropene	< 0.2	0.2	ug/L	
Ethylbenzene	**0.6**	**0.5**	**ug/L**	
Ethyl ether	< 2.0	2.0	ug/L	
Hexachlorobutadiene	< 1.0	1.0	ug/L	
Isopropylbenzene	< 0.5	0.5	ug/L	
p-Isopropyltoluene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Methylene chloride	< 0.5	0.5	ug/L	
Methyl ethyl ketone (MEK)	< 10	10	ug/L	
Methyl isobutyl ketone (MIBK)	< 5.0	5.0	ug/L	
Methyl tertiary butyl ether (MTBE)	< 2.0	2.0	ug/L	
Naphthalene	**2.7**	**1.0**	**ug/L**	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514041 - 200514049

Date Received: **06-JUN-2005**
Date Generated: **24-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514041** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
03-JUN-2005	**0840**	**w22**	-

Trip Blank	Field Blank
200514052	**200514044**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

	Result	**Rept Level**	**Units**	**Analysis Date**
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS **(Cont.)**				07-JUN-05
Tenative detection of indane at 2 ug/L (concentration estimated).				
n-Propylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Styrene	< 0.5	0.5	ug/L	
1,1,1,2-Tetrachloroethane	< 0.2	0.2	ug/L	
1,1,2,2-Tetrachloroethane	< 0.2	0.2	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Tetrachloroethene	< 0.2	0.2	ug/L	
Tetrahydrofuran (THF)	< 10	10	ug/L	
Toluene	**4.3**	**0.5**	**ug/L**	
1,2,3-Trichlorobenzene	< 1.0	1.0	ug/L	
1,2,4-Trichlorobenzene	< 0.5	0.5	ug/L	
1,1,1-Trichloroethane	< 0.2	0.2	ug/L	
1,1,2-Trichloroethane	< 0.2	0.2	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Trichloroethene (TCE)	< 0.1	0.1	ug/L	
Trichlorofluoromethane	< 0.5	0.5	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514041 - 200514049

Date Received: **06-JUN-2005**
Date Generated: **24-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514041** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
03-JUN-2005	**0840**	**w22**	-

Trip Blank	Field Blank
200514052	**200514044**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
168 VOCs in Water by GC/MS **(Cont.)**				07-JUN-05
Tenative detection of indane at 2 ug/L (concentration estimated).				
1,2,3-Trichloropropane	< 0.5	0.5	ug/L	
1,1,2-Trichlorotrifluoroethane	< 0.2	0.2	ug/L	
1,2,4-Trimethylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
1,3,5-Trimethylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Vinyl chloride	< 0.2	0.2	ug/L	
o-Xylene	**0.4**	**0.2**	**ug/L**	
p&m-Xylene	**0.3**	**0.3**	**ug/L**	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514041 - 200514049

Date Received: **06-JUN-2005**
Date Generated: **24-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514042** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
03-JUN-2005	**0930**	**w9**	-

Trip Blank	Field Blank
200514052	**200514044**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS				07-JUN-05
4-Bromofluorobenzene (surrogate)	**103**	**70-130**	**%**	
1,2-Dichlorobenzene-D4 (surrogate)	**119**	**70-130**	**%**	
Acetone	< 20	20	ug/L	
Peak present below report level				
Allyl chloride	< 0.5	0.5	ug/L	
Peak present below report level				
Benzene	**14**	**0.2**	**ug/L**	
Bromobenzene	< 0.2	0.2	ug/L	
Bromochloromethane	< 0.5	0.5	ug/L	
Bromodichloromethane	< 0.2	0.2	ug/L	
Bromoform	< 0.5	0.5	ug/L	
Bromomethane	< 1.0	1.0	ug/L	
n-Butylbenzene	< 0.5	0.5	ug/L	
Peak present below report level				
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. The sample result should be considered as estimated.				
sec-Butylbenzene	< 0.5	0.5	ug/L	
Peak present below report level				
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. The sample result should be considered as estimated.				

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514041 - 200514049

Date Received: **06-JUN-2005**
Date Generated: **24-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514042** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
03-JUN-2005	**0930**	**w9**	-

Trip Blank	Field Blank
200514052	**200514044**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

	Result	**Rept Level**	**Units**	**Analysis Date**
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS **(Cont.)**				07-JUN-05
tert-Butylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Carbon tetrachloride	< 0.2	0.2	ug/L	
Chlorobenzene	< 0.2	0.2	ug/L	
Chlorodibromomethane	< 0.5	0.5	ug/L	
Chloroethane	**0.5**	**0.5**	**ug/L**	
Chloroform	**0.1**	**0.1**	**ug/L**	
Chloromethane	< 1.0	1.0	ug/L	
2-Chlorotoluene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
4-Chlorotoluene	< 0.5	0.5	ug/L	
Peak present below report level				
1,2-Dibromo-3-chloropropane (DBCP)	< 2.0	2.0	ug/L	
Peak present below report level				
1,2-Dibromoethane (EDB)	< 0.5	0.5	ug/L	
Dibromomethane	< 0.5	0.5	ug/L	
1,2-Dichlorobenzene	< 0.2	0.2	ug/L	
1,3-Dichlorobenzene	< 0.2	0.2	ug/L	
1,4-Dichlorobenzene	< 0.2	0.2	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514041 - 200514049

Date Received: **06-JUN-2005**
Date Generated: **24-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514042** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
03-JUN-2005	**0930**	**w9**	-

Trip Blank	Field Blank
200514052	**200514044**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS **(Cont.)**				07-JUN-05
Dichlorodifluoromethane	< 1.0	1.0	ug/L	
1,1-Dichloroethane	< 0.2	0.2	ug/L	
1,2-Dichloroethane	< 0.2	0.2	ug/L	
1,1-Dichloroethene	< 0.5	0.5	ug/L	
cis-1,2-Dichloroethene	< 0.2	0.2	ug/L	
trans-1,2-Dichloroethene	< 0.1	0.1	ug/L	
Dichlorofluoromethane	< 0.5	0.5	ug/L	
Peak present below report level				
1,2-Dichloropropane	< 0.2	0.2	ug/L	
1,3-Dichloropropane	< 0.2	0.2	ug/L	
2,2-Dichloropropane	< 0.5	0.5	ug/L	
1,1-Dichloropropene	< 0.2	0.2	ug/L	
cis-1,3-Dichloropropene	< 0.2	0.2	ug/L	
trans-1,3-Dichloropropene	< 0.2	0.2	ug/L	
Ethylbenzene	**16**	**0.5**	**ug/L**	
Ethyl ether	< 2.0	2.0	ug/L	
Hexachlorobutadiene	< 1.0	1.0	ug/L	
Isopropylbenzene	**2.9**	**0.5**	**ug/L**	
p-Isopropyltoluene	< 0.5	0.5	ug/L	
Peak present below report level				
The spike recoveries for this target analyte did not meet the QC acceptance criteria				
in the MS/MSD. The sample result should be considered as estimated.				
Methylene chloride	< 0.5	0.5	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514041 - 200514049

Date Received: **06-JUN-2005**
Date Generated: **24-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514042** Receiving Comments: **-**

Coll Date	Coll Time	Field No	Sampling Point
03-JUN-2005	**0930**	**w9**	**-**

Trip Blank	Field Blank
200514052	**200514044**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS **(Cont.)**				07-JUN-05
Methyl ethyl ketone (MEK)	< 10	10	ug/L	
Methyl isobutyl ketone (MIBK)	< 5.0	5.0	ug/L	
Methyl tertiary butyl ether (MTBE)	< 2.0	2.0	ug/L	
Peak present below report level				
Naphthalene	**660**	**50**	**ug/L**	
Report level was changed due to sample dilution.				
n-Propylbenzene	**0.8**	**0.5**	**ug/L**	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. The sample result should be considered as estimated.				
Styrene	**0.9**	**0.5**	**ug/L**	
1,1,1,2-Tetrachloroethane	< 0.2	0.2	ug/L	
1,1,2,2-Tetrachloroethane	< 0.2	0.2	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Tetrachloroethene	< 0.2	0.2	ug/L	
Tetrahydrofuran (THF)	< 10	10	ug/L	
Peak present below report level				
Toluene	**1.2**	**0.5**	**ug/L**	
1,2,3-Trichlorobenzene	< 1.0	1.0	ug/L	
1,2,4-Trichlorobenzene	< 0.5	0.5	ug/L	
1,1,1-Trichloroethane	< 0.2	0.2	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514041 - 200514049

Date Received: **06-JUN-2005**
Date Generated: **24-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514042** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
03-JUN-2005	**0930**	**w9**	-

Trip Blank	Field Blank
200514052	**200514044**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS **(Cont.)**				07-JUN-05
1,1,2-Trichloroethane	< 0.2	0.2	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Trichloroethene (TCE)	< 0.1	0.1	ug/L	
Trichlorofluoromethane	< 0.5	0.5	ug/L	
1,2,3-Trichloropropane	< 0.5	0.5	ug/L	
Peak present below report level				
1,1,2-Trichlorotrifluoroethane	< 0.2	0.2	ug/L	
1,2,4-Trimethylbenzene	**14**	**0.5**	**ug/L**	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. The sample result should be considered as estimated.				
1,3,5-Trimethylbenzene	**2.0**	**0.5**	**ug/L**	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. The sample result should be considered as estimated.				
Vinyl chloride	< 0.2	0.2	ug/L	
o-Xylene	**17**	**0.2**	**ug/L**	
p&m-Xylene	**11**	**0.3**	**ug/L**	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514041 - 200514049

Date Received: **06-JUN-2005**
Date Generated: **24-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514043** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
03-JUN-2005	**1050**	**w16**	-

Trip Blank	Field Blank
200514052	**200514044**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS				08-JUN-05
4-Bromofluorobenzene (surrogate)	**95.5**	**70-130**	**%**	
1,2-Dichlorobenzene-D4 (surrogate)	**123**	**70-130**	**%**	
Acetone	< 20	20	ug/L	
Allyl chloride	< 0.5	0.5	ug/L	
Benzene	< 0.2	0.2	ug/L	
Bromobenzene	< 0.2	0.2	ug/L	
Bromochloromethane	< 0.5	0.5	ug/L	
Bromodichloromethane	< 0.2	0.2	ug/L	
Bromoform	< 0.5	0.5	ug/L	
Bromomethane	< 1.0	1.0	ug/L	
n-Butylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
sec-Butylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
tert-Butylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Carbon tetrachloride	< 0.2	0.2	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514041 - 200514049

Date Received: **06-JUN-2005**
Date Generated: **24-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514043** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
03-JUN-2005	**1050**	**w16**	-

Trip Blank	Field Blank
200514052	**200514044**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS **(Cont.)**				08-JUN-05
Chlorobenzene	< 0.2	0.2	ug/L	
Chlorodibromomethane	< 0.5	0.5	ug/L	
Chloroethane	< 0.5	0.5	ug/L	
Chloroform	< 0.1	0.1	ug/L	
Chloromethane	< 1.0	1.0	ug/L	
2-Chlorotoluene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
4-Chlorotoluene	< 0.5	0.5	ug/L	
1,2-Dibromo-3-chloropropane (DBCP)	< 2.0	2.0	ug/L	
1,2-Dibromoethane (EDB)	< 0.5	0.5	ug/L	
Dibromomethane	< 0.5	0.5	ug/L	
1,2-Dichlorobenzene	< 0.2	0.2	ug/L	
1,3-Dichlorobenzene	< 0.2	0.2	ug/L	
1,4-Dichlorobenzene	< 0.2	0.2	ug/L	
Dichlorodifluoromethane	< 1.0	1.0	ug/L	
1,1-Dichloroethane	< 0.2	0.2	ug/L	
1,2-Dichloroethane	< 0.2	0.2	ug/L	
1,1-Dichloroethene	< 0.5	0.5	ug/L	
cis-1,2-Dichloroethene	< 0.2	0.2	ug/L	
trans-1,2-Dichloroethene	< 0.1	0.1	ug/L	
Dichlorofluoromethane	< 0.5	0.5	ug/L	
1,2-Dichloropropane	< 0.2	0.2	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514041 - 200514049

Date Received: **06-JUN-2005**
Date Generated: **24-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514043** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
03-JUN-2005	**1050**	**w16**	-

Trip Blank	Field Blank
200514052	**200514044**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

Note: Positive Organic Results are indicated by BOLD.

	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS **(Cont.)**				08-JUN-05
1,3-Dichloropropane	< 0.2	0.2	ug/L	
2,2-Dichloropropane	< 0.5	0.5	ug/L	
1,1-Dichloropropene	< 0.2	0.2	ug/L	
cis-1,3-Dichloropropene	< 0.2	0.2	ug/L	
trans-1,3-Dichloropropene	< 0.2	0.2	ug/L	
Ethylbenzene	< 0.5	0.5	ug/L	
Ethyl ether	< 2.0	2.0	ug/L	
Hexachlorobutadiene	< 1.0	1.0	ug/L	
Isopropylbenzene	< 0.5	0.5	ug/L	
p-Isopropyltoluene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Methylene chloride	< 0.5	0.5	ug/L	
Methyl ethyl ketone (MEK)	< 10	10	ug/L	
Methyl isobutyl ketone (MIBK)	< 5.0	5.0	ug/L	
Methyl tertiary butyl ether (MTBE)	< 2.0	2.0	ug/L	
Naphthalene	< 1.0	1.0	ug/L	
Peak present below report level				
n-Propylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514041 - 200514049

Date Received: **06-JUN-2005**
Date Generated: **24-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514043** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
03-JUN-2005	**1050**	**w16**	-

Trip Blank	Field Blank
200514052	**200514044**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS **(Cont.)**				08-JUN-05
Styrene	< 0.5	0.5	ug/L	
1,1,1,2-Tetrachloroethane	< 0.2	0.2	ug/L	
1,1,2,2-Tetrachloroethane	< 0.2	0.2	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Tetrachloroethene	< 0.2	0.2	ug/L	
Tetrahydrofuran (THF)	< 10	10	ug/L	
Toluene	**1.1**	**0.5**	**ug/L**	
1,2,3-Trichlorobenzene	< 1.0	1.0	ug/L	
1,2,4-Trichlorobenzene	< 0.5	0.5	ug/L	
1,1,1-Trichloroethane	< 0.2	0.2	ug/L	
1,1,2-Trichloroethane	< 0.2	0.2	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Trichloroethene (TCE)	< 0.1	0.1	ug/L	
Trichlorofluoromethane	< 0.5	0.5	ug/L	
1,2,3-Trichloropropane	< 0.5	0.5	ug/L	
1,1,2-Trichlorotrifluoroethane	< 0.2	0.2	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514041 - 200514049

Date Received: **06-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514043** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
03-JUN-2005	**1050**	**w16**	-

Trip Blank	Field Blank
200514052	**200514044**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS **(Cont.)**				08-JUN-05
1,2,4-Trimethylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
1,3,5-Trimethylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Vinyl chloride	< 0.2	0.2	ug/L	
o-Xylene	< 0.2	0.2	ug/L	
p&m-Xylene	< 0.3	0.3	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514041 - 200514049

Date Received: **06-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514044** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
03-JUN-2005	**1100**	**field blan**	-

Trip Blank	Field Blank
200514052	**200514044**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS				08-JUN-05
4-Bromofluorobenzene (surrogate)	**93.1**	**70-130**	**%**	
1,2-Dichlorobenzene-D4 (surrogate)	**122**	**70-130**	**%**	
Acetone	< 20	20	ug/L	
Allyl chloride	< 0.5	0.5	ug/L	
Benzene	< 0.2	0.2	ug/L	
Bromobenzene	< 0.2	0.2	ug/L	
Bromochloromethane	< 0.5	0.5	ug/L	
Bromodichloromethane	< 0.2	0.2	ug/L	
Bromoform	< 0.5	0.5	ug/L	
Bromomethane	< 1.0	1.0	ug/L	
n-Butylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
sec-Butylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
tert-Butylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Carbon tetrachloride	< 0.2	0.2	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514041 - 200514049

Date Received: **06-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514044** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
03-JUN-2005	**1100**	**field blan**	-

Trip Blank	Field Blank
200514052	**200514044**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS **(Cont.)**				08-JUN-05
Chlorobenzene	< 0.2	0.2	ug/L	
Chlorodibromomethane	< 0.5	0.5	ug/L	
Chloroethane	< 0.5	0.5	ug/L	
Chloroform	**0.1**	**0.1**	**ug/L**	
Chloromethane	< 1.0	1.0	ug/L	
2-Chlorotoluene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
4-Chlorotoluene	< 0.5	0.5	ug/L	
1,2-Dibromo-3-chloropropane (DBCP)	< 2.0	2.0	ug/L	
1,2-Dibromoethane (EDB)	< 0.5	0.5	ug/L	
Dibromomethane	< 0.5	0.5	ug/L	
1,2-Dichlorobenzene	< 0.2	0.2	ug/L	
1,3-Dichlorobenzene	< 0.2	0.2	ug/L	
1,4-Dichlorobenzene	< 0.2	0.2	ug/L	
Dichlorodifluoromethane	< 1.0	1.0	ug/L	
1,1-Dichloroethane	< 0.2	0.2	ug/L	
1,2-Dichloroethane	< 0.2	0.2	ug/L	
1,1-Dichloroethene	< 0.5	0.5	ug/L	
cis-1,2-Dichloroethene	< 0.2	0.2	ug/L	
trans-1,2-Dichloroethene	< 0.1	0.1	ug/L	
Dichlorofluoromethane	< 0.5	0.5	ug/L	
1,2-Dichloropropane	< 0.2	0.2	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514041 - 200514049

Date Received: **06-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514044** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
03-JUN-2005	**1100**	**field blan**	-

Trip Blank	Field Blank
200514052	**200514044**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS **(Cont.)**				08-JUN-05
1,3-Dichloropropane	< 0.2	0.2	ug/L	
2,2-Dichloropropane	< 0.5	0.5	ug/L	
1,1-Dichloropropene	< 0.2	0.2	ug/L	
cis-1,3-Dichloropropene	< 0.2	0.2	ug/L	
trans-1,3-Dichloropropene	< 0.2	0.2	ug/L	
Ethylbenzene	< 0.5	0.5	ug/L	
Ethyl ether	< 2.0	2.0	ug/L	
Hexachlorobutadiene	< 1.0	1.0	ug/L	
Isopropylbenzene	< 0.5	0.5	ug/L	
p-Isopropyltoluene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Methylene chloride	< 0.5	0.5	ug/L	
Methyl ethyl ketone (MEK)	< 10	10	ug/L	
Methyl isobutyl ketone (MIBK)	< 5.0	5.0	ug/L	
Methyl tertiary butyl ether (MTBE)	< 2.0	2.0	ug/L	
Naphthalene	< 1.0	1.0	ug/L	
n-Propylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Styrene	< 0.5	0.5	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514041 - 200514049

Date Received: **06-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514044** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
03-JUN-2005	**1100**	**field blan**	-

Trip Blank	Field Blank
200514052	**200514044**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

Note: Positive Organic Results are indicated by BOLD.

	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS **(Cont.)**				08-JUN-05
1,1,1,2-Tetrachloroethane	< 0.2	0.2	ug/L	
1,1,2,2-Tetrachloroethane	< 0.2	0.2	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Tetrachloroethene	< 0.2	0.2	ug/L	
Tetrahydrofuran (THF)	< 10	10	ug/L	
Toluene	< 0.5	0.5	ug/L	
1,2,3-Trichlorobenzene	< 1.0	1.0	ug/L	
1,2,4-Trichlorobenzene	< 0.5	0.5	ug/L	
1,1,1-Trichloroethane	< 0.2	0.2	ug/L	
1,1,2-Trichloroethane	< 0.2	0.2	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Trichloroethene (TCE)	< 0.1	0.1	ug/L	
Trichlorofluoromethane	< 0.5	0.5	ug/L	
1,2,3-Trichloropropane	< 0.5	0.5	ug/L	
1,1,2-Trichlorotrifluoroethane	< 0.2	0.2	ug/L	
1,2,4-Trimethylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514041 - 200514049

Date Received: **06-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514044** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
03-JUN-2005	**1100**	**field blan**	-

Trip Blank	Field Blank
200514052	**200514044**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

Note: Positive Organic Results are indicated by BOLD.

	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS **(Cont.)**				08-JUN-05
1,3,5-Trimethylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Vinyl chloride	< 0.2	0.2	ug/L	
o-Xylene	< 0.2	0.2	ug/L	
p&m-Xylene	< 0.3	0.3	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514041 - 200514049

Date Received: **06-JUN-2005**
Date Generated: **24-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514045** Receiving Comments: **-**

Coll Date	Coll Time	Field No	Sampling Point
03-JUN-2005	**1150**	**w10**	**-**

Trip Blank	Field Blank
200514052	**200514044**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS				08-JUN-05
4-Bromofluorobenzene (surrogate)	**93.8**	**70-130**	**%**	
1,2-Dichlorobenzene-D4 (surrogate)	**122**	**70-130**	**%**	
Acetone	< 20	20	ug/L	
Allyl chloride	< 0.5	0.5	ug/L	
Benzene	< 0.2	0.2	ug/L	
Bromobenzene	< 0.2	0.2	ug/L	
Bromochloromethane	< 0.5	0.5	ug/L	
Bromodichloromethane	< 0.2	0.2	ug/L	
Bromoform	< 0.5	0.5	ug/L	
Bromomethane	< 1.0	1.0	ug/L	
n-Butylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
sec-Butylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
tert-Butylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Carbon tetrachloride	< 0.2	0.2	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514041 - 200514049

Date Received: **06-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514045** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
03-JUN-2005	**1150**	**w10**	-

Trip Blank	Field Blank
200514052	**200514044**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS **(Cont.)**				08-JUN-05
Chlorobenzene	< 0.2	0.2	ug/L	
Chlorodibromomethane	< 0.5	0.5	ug/L	
Chloroethane	< 0.5	0.5	ug/L	
Chloroform	< 0.1	0.1	ug/L	
Peak present below report level				
Chloromethane	< 1.0	1.0	ug/L	
2-Chlorotoluene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
4-Chlorotoluene	< 0.5	0.5	ug/L	
1,2-Dibromo-3-chloropropane (DBCP)	< 2.0	2.0	ug/L	
1,2-Dibromoethane (EDB)	< 0.5	0.5	ug/L	
Dibromomethane	< 0.5	0.5	ug/L	
1,2-Dichlorobenzene	< 0.2	0.2	ug/L	
1,3-Dichlorobenzene	< 0.2	0.2	ug/L	
1,4-Dichlorobenzene	< 0.2	0.2	ug/L	
Dichlorodifluoromethane	< 1.0	1.0	ug/L	
1,1-Dichloroethane	< 0.2	0.2	ug/L	
1,2-Dichloroethane	< 0.2	0.2	ug/L	
1,1-Dichloroethene	< 0.5	0.5	ug/L	
cis-1,2-Dichloroethene	< 0.2	0.2	ug/L	
trans-1,2-Dichloroethene	< 0.1	0.1	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514041 - 200514049

Date Received: **06-JUN-2005**
Date Generated: **24-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514045** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
03-JUN-2005	**1150**	**w10**	-

Trip Blank	Field Blank
200514052	**200514044**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

Note: Positive Organic Results are indicated by BOLD.

	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS **(Cont.)**				08-JUN-05
Dichlorofluoromethane	< 0.5	0.5	ug/L	
1,2-Dichloropropane	< 0.2	0.2	ug/L	
1,3-Dichloropropane	< 0.2	0.2	ug/L	
2,2-Dichloropropane	< 0.5	0.5	ug/L	
1,1-Dichloropropene	< 0.2	0.2	ug/L	
cis-1,3-Dichloropropene	< 0.2	0.2	ug/L	
trans-1,3-Dichloropropene	< 0.2	0.2	ug/L	
Ethylbenzene	< 0.5	0.5	ug/L	
Ethyl ether	< 2.0	2.0	ug/L	
Hexachlorobutadiene	< 1.0	1.0	ug/L	
Isopropylbenzene	< 0.5	0.5	ug/L	
p-Isopropyltoluene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Methylene chloride	< 0.5	0.5	ug/L	
Methyl ethyl ketone (MEK)	< 10	10	ug/L	
Methyl isobutyl ketone (MIBK)	< 5.0	5.0	ug/L	
Methyl tertiary butyl ether (MTBE)	< 2.0	2.0	ug/L	
Naphthalene	< 1.0	1.0	ug/L	
Peak present below report level				

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514041 - 200514049

Date Received: **06-JUN-2005**
Date Generated: **24-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514045** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
03-JUN-2005	**1150**	**w10**	-

Trip Blank	Field Blank
200514052	**200514044**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

Note: Positive Organic Results are indicated by BOLD.

	Result	**Rept Level**	**Units**	**Analysis Date**
468 VOCs in Water by GC/MS **(Cont.)**				08-JUN-05
n-Propylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Styrene	< 0.5	0.5	ug/L	
1,1,1,2-Tetrachloroethane	< 0.2	0.2	ug/L	
1,1,2,2-Tetrachloroethane	< 0.2	0.2	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Tetrachloroethene	< 0.2	0.2	ug/L	
Tetrahydrofuran (THF)	< 10	10	ug/L	
Toluene	< 0.5	0.5	ug/L	
Peak present below report level				
1,2,3-Trichlorobenzene	< 1.0	1.0	ug/L	
1,2,4-Trichlorobenzene	< 0.5	0.5	ug/L	
1,1,1-Trichloroethane	< 0.2	0.2	ug/L	
1,1,2-Trichloroethane	< 0.2	0.2	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Trichloroethene (TCE)	< 0.1	0.1	ug/L	
Trichlorofluoromethane	< 0.5	0.5	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514041 - 200514049

Date Received: **06-JUN-2005**
Date Generated: **24-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514045** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
03-JUN-2005	**1150**	**w10**	-

Trip Blank	Field Blank
200514052	**200514044**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
168 VOCs in Water by GC/MS **(Cont.)**				08-JUN-05
1,2,3-Trichloropropane	< 0.5	0.5	ug/L	
1,1,2-Trichlorotrifluoroethane	< 0.2	0.2	ug/L	
1,2,4-Trimethylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
1,3,5-Trimethylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Vinyl chloride	< 0.2	0.2	ug/L	
o-Xylene	< 0.2	0.2	ug/L	
p&m-Xylene	< 0.3	0.3	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514041 - 200514049

Date Received: **06-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514046** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
03-JUN-2005	**1230**	**w21**	-

Trip Blank	Field Blank
200514052	**200514044**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS				08-JUN-05
4-Bromofluorobenzene (surrogate)	**96.1**	**70-130**	**%**	
1,2-Dichlorobenzene-D4 (surrogate)	**121**	**70-130**	**%**	
Acetone	< 20	20	ug/L	
Allyl chloride	< 0.5	0.5	ug/L	
Benzene	< 0.2	0.2	ug/L	
Bromobenzene	< 0.2	0.2	ug/L	
Bromochloromethane	< 0.5	0.5	ug/L	
Bromodichloromethane	< 0.2	0.2	ug/L	
Bromoform	< 0.5	0.5	ug/L	
Bromomethane	< 1.0	1.0	ug/L	
n-Butylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
sec-Butylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
tert-Butylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Carbon tetrachloride	< 0.2	0.2	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514041 - 200514049

Date Received: **06-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514046** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
03-JUN-2005	**1230**	**w21**	-

Trip Blank	Field Blank
200514052	**200514044**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

Note: Positive Organic Results are indicated by BOLD.

		Result	Rept Level	Units	Analysis Date
468	VOCs in Water by GC/MS **(Cont.)**				08-JUN-05
	Chlorobenzene	< 0.2	0.2	ug/L	
	Chlorodibromomethane	< 0.5	0.5	ug/L	
	Chloroethane	< 0.5	0.5	ug/L	
	Chloroform	< 0.1	0.1	ug/L	
	Chloromethane	< 1.0	1.0	ug/L	
	2-Chlorotoluene	< 0.5	0.5	ug/L	
	The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
	4-Chlorotoluene	< 0.5	0.5	ug/L	
	1,2-Dibromo-3-chloropropane (DBCP)	< 2.0	2.0	ug/L	
	1,2-Dibromoethane (EDB)	< 0.5	0.5	ug/L	
	Dibromomethane	< 0.5	0.5	ug/L	
	1,2-Dichlorobenzene	< 0.2	0.2	ug/L	
	1,3-Dichlorobenzene	< 0.2	0.2	ug/L	
	1,4-Dichlorobenzene	< 0.2	0.2	ug/L	
	Dichlorodifluoromethane	< 1.0	1.0	ug/L	
	1,1-Dichloroethane	< 0.2	0.2	ug/L	
	1,2-Dichloroethane	< 0.2	0.2	ug/L	
	1,1-Dichloroethene	< 0.5	0.5	ug/L	
	cis-1,2-Dichloroethene	< 0.2	0.2	ug/L	
	trans-1,2-Dichloroethene	< 0.1	0.1	ug/L	
	Dichlorofluoromethane	< 0.5	0.5	ug/L	
	1,2-Dichloropropane	< 0.2	0.2	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514041 - 200514049

Date Received: **06-JUN-2005**
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Date Reported: **24-JUN-2005**
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Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514046** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
03-JUN-2005	**1230**	**w21**	-

Trip Blank	Field Blank
200514052	**200514044**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS **(Cont.)**				08-JUN-05
1,3-Dichloropropane	< 0.2	0.2	ug/L	
2,2-Dichloropropane	< 0.5	0.5	ug/L	
1,1-Dichloropropene	< 0.2	0.2	ug/L	
cis-1,3-Dichloropropene	< 0.2	0.2	ug/L	
trans-1,3-Dichloropropene	< 0.2	0.2	ug/L	
Ethylbenzene	< 0.5	0.5	ug/L	
Ethyl ether	< 2.0	2.0	ug/L	
Hexachlorobutadiene	< 1.0	1.0	ug/L	
Isopropylbenzene	< 0.5	0.5	ug/L	
p-Isopropyltoluene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Methylene chloride	< 0.5	0.5	ug/L	
Methyl ethyl ketone (MEK)	< 10	10	ug/L	
Methyl isobutyl ketone (MIBK)	< 5.0	5.0	ug/L	
Methyl tertiary butyl ether (MTBE)	< 2.0	2.0	ug/L	
Naphthalene	< 1.0	1.0	ug/L	
n-Propylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Styrene	< 0.5	0.5	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514041 - 200514049

Date Received: **06-JUN-2005**
Date Generated: **24-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514046** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
03-JUN-2005	**1230**	**w21**	-

Trip Blank	Field Blank
200514052	**200514044**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS **(Cont.)**				08-JUN-05
1,1,1,2-Tetrachloroethane	< 0.2	0.2	ug/L	
1,1,2,2-Tetrachloroethane	< 0.2	0.2	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Tetrachloroethene	< 0.2	0.2	ug/L	
Tetrahydrofuran (THF)	< 10	10	ug/L	
Toluene	**0.6**	**0.5**	**ug/L**	
1,2,3-Trichlorobenzene	< 1.0	1.0	ug/L	
1,2,4-Trichlorobenzene	< 0.5	0.5	ug/L	
1,1,1-Trichloroethane	< 0.2	0.2	ug/L	
1,1,2-Trichloroethane	< 0.2	0.2	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Trichloroethene (TCE)	< 0.1	0.1	ug/L	
Trichlorofluoromethane	< 0.5	0.5	ug/L	
1,2,3-Trichloropropane	< 0.5	0.5	ug/L	
1,1,2-Trichlorotrifluoroethane	< 0.2	0.2	ug/L	
1,2,4-Trimethylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514041 - 200514049

Date Received: **06-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514046** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
03-JUN-2005	**1230**	**w21**	-

Trip Blank	Field Blank
200514052	**200514044**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS **(Cont.)**				08-JUN-05
1,3,5-Trimethylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Vinyl chloride	< 0.2	0.2	ug/L	
o-Xylene	< 0.2	0.2	ug/L	
p&m-Xylene	< 0.3	0.3	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514041 - 200514049

Date Received: **06-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514047** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
03-JUN-2005	**1340**	**w17**	-

Trip Blank	Field Blank
200514052	**200514044**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

	Result	**Rept Level**	**Units**	**Analysis Date**
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS				08-JUN-05
4-Bromofluorobenzene (surrogate)	**95.6**	**70-130**	**%**	
1,2-Dichlorobenzene-D4 (surrogate)	**121**	**70-130**	**%**	
Acetone	< 20	20	ug/L	
Allyl chloride	< 0.5	0.5	ug/L	
Benzene	< 0.2	0.2	ug/L	
Bromobenzene	< 0.2	0.2	ug/L	
Bromochloromethane	< 0.5	0.5	ug/L	
Bromodichloromethane	< 0.2	0.2	ug/L	
Bromoform	< 0.5	0.5	ug/L	
Bromomethane	< 1.0	1.0	ug/L	
n-Butylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
sec-Butylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
tert-Butylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Carbon tetrachloride	< 0.2	0.2	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514041 - 200514049

Date Received: **06-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514047** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
03-JUN-2005	**1340**	**w17**	-

Trip Blank	Field Blank
200514052	**200514044**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS **(Cont.)**				08-JUN-05
Chlorobenzene	< 0.2	0.2	ug/L	
Chlorodibromomethane	< 0.5	0.5	ug/L	
Chloroethane	< 0.5	0.5	ug/L	
Chloroform	< 0.1	0.1	ug/L	
Peak present below report level				
Chloromethane	< 1.0	1.0	ug/L	
2-Chlorotoluene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
4-Chlorotoluene	< 0.5	0.5	ug/L	
1,2-Dibromo-3-chloropropane (DBCP)	< 2.0	2.0	ug/L	
1,2-Dibromoethane (EDB)	< 0.5	0.5	ug/L	
Dibromomethane	< 0.5	0.5	ug/L	
1,2-Dichlorobenzene	< 0.2	0.2	ug/L	
1,3-Dichlorobenzene	< 0.2	0.2	ug/L	
1,4-Dichlorobenzene	< 0.2	0.2	ug/L	
Dichlorodifluoromethane	< 1.0	1.0	ug/L	
1,1-Dichloroethane	< 0.2	0.2	ug/L	
1,2-Dichloroethane	< 0.2	0.2	ug/L	
1,1-Dichloroethene	< 0.5	0.5	ug/L	
cis-1,2-Dichloroethene	< 0.2	0.2	ug/L	
Peak present below report level				

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514041 - 200514049

Date Received: **06-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514047** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
03-JUN-2005	**1340**	**w17**	-

Trip Blank	Field Blank
200514052	**200514044**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By ***PDS*** on ***16-JUN-05***

Note: Positive Organic Results are indicated by BOLD.

		Result	Rept Level	Units	Analysis Date
468	VOCs in Water by GC/MS **(Cont.)**				08-JUN-05
	trans-1,2-Dichloroethene	< 0.1	0.1	ug/L	
	Dichlorofluoromethane	< 0.5	0.5	ug/L	
	1,2-Dichloropropane	< 0.2	0.2	ug/L	
	1,3-Dichloropropane	< 0.2	0.2	ug/L	
	2,2-Dichloropropane	< 0.5	0.5	ug/L	
	1,1-Dichloropropene	< 0.2	0.2	ug/L	
	cis-1,3-Dichloropropene	< 0.2	0.2	ug/L	
	trans-1,3-Dichloropropene	< 0.2	0.2	ug/L	
	Ethylbenzene	< 0.5	0.5	ug/L	
	Ethyl ether	< 2.0	2.0	ug/L	
	Hexachlorobutadiene	< 1.0	1.0	ug/L	
	Isopropylbenzene	< 0.5	0.5	ug/L	
	p-Isopropyltoluene	< 0.5	0.5	ug/L	
	The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
	Methylene chloride	< 0.5	0.5	ug/L	
	Methyl ethyl ketone (MEK)	< 10	10	ug/L	
	Methyl isobutyl ketone (MIBK)	< 5.0	5.0	ug/L	
	Methyl tertiary butyl ether (MTBE)	< 2.0	2.0	ug/L	
	Naphthalene	< 1.0	1.0	ug/L	
	Peak present below report level				

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514041 - 200514049

Date Received: **06-JUN-2005**
Date Generated: **24-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514047** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
03-JUN-2005	**1340**	**w17**	-

Trip Blank	Field Blank
200514052	**200514044**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS **(Cont.)**				08-JUN-05
n-Propylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Styrene	< 0.5	0.5	ug/L	
1,1,1,2-Tetrachloroethane	< 0.2	0.2	ug/L	
1,1,2,2-Tetrachloroethane	< 0.2	0.2	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Tetrachloroethene	< 0.2	0.2	ug/L	
Tetrahydrofuran (THF)	< 10	10	ug/L	
Toluene	**1.1**	**0.5**	**ug/L**	
1,2,3-Trichlorobenzene	< 1.0	1.0	ug/L	
1,2,4-Trichlorobenzene	< 0.5	0.5	ug/L	
1,1,1-Trichloroethane	< 0.2	0.2	ug/L	
1,1,2-Trichloroethane	< 0.2	0.2	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Trichloroethene (TCE)	< 0.1	0.1	ug/L	
Trichlorofluoromethane	< 0.5	0.5	ug/L	
1,2,3-Trichloropropane	< 0.5	0.5	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514041 - 200514049

Date Received: **06-JUN-2005**
Date Generated: **24-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514047** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
03-JUN-2005	**1340**	**w17**	-

Trip Blank	Field Blank
200514052	**200514044**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS **(Cont.)**				08-JUN-05
1,1,2-Trichlorotrifluoroethane	< 0.2	0.2	ug/L	
1,2,4-Trimethylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
1,3,5-Trimethylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Vinyl chloride	< 0.2	0.2	ug/L	
o-Xylene	< 0.2	0.2	ug/L	
p&m-Xylene	< 0.3	0.3	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514041 - 200514049

Date Received: **06-JUN-2005**
Date Generated: **24-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514048** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
03-JUN-2005	**1430**	**w-18**	-

Trip Blank	Field Blank
200514052	**200514044**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

Note: Positive Organic Results are indicated by BOLD.

		Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS					08-JUN-05
Tenative detection of propane at lug/L and pentane at 1 ug/L (concentrations estimated).					
4-Bromofluorobenzene (surrogate)		**94.5**	**70-130**	**%**	
1,2-Dichlorobenzene-D4 (surrogate)		**125**	**70-130**	**%**	
Acetone	<	20	20	ug/L	
Allyl chloride	<	0.5	0.5	ug/L	
Benzene		**6.1**	**0.2**	**ug/L**	
Bromobenzene	<	0.2	0.2	ug/L	
Bromochloromethane	<	0.5	0.5	ug/L	
Bromodichloromethane	<	0.2	0.2	ug/L	
Bromoform	<	0.5	0.5	ug/L	
Bromomethane	<	1.0	1.0	ug/L	
n-Butylbenzene	<	0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.					
sec-Butylbenzene	<	0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.					

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514041 - 200514049

Date Received: **06-JUN-2005**
Date Generated: **24-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514048** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
03-JUN-2005	**1430**	**w-18**	-

Trip Blank	Field Blank
200514052	**200514044**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

Note: Positive Organic Results are indicated by BOLD.

	Result	**Rept Level**	**Units**	**Analysis Date**
468 VOCs in Water by GC/MS **(Cont.)**				08-JUN-05
Tenative detection of propane at 1ug/L and pentane at 1 ug/L (concentrations estimated).				
tert-Butylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Carbon tetrachloride	< 0.2	0.2	ug/L	
Chlorobenzene	< 0.2	0.2	ug/L	
Chlorodibromomethane	< 0.5	0.5	ug/L	
Chloroethane	< 0.5	0.5	ug/L	
Chloroform	< 0.1	0.1	ug/L	
Chloromethane	< 1.0	1.0	ug/L	
2-Chlorotoluene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
4-Chlorotoluene	< 0.5	0.5	ug/L	
1,2-Dibromo-3-chloropropane (DBCP)	< 2.0	2.0	ug/L	
1,2-Dibromoethane (EDB)	< 0.5	0.5	ug/L	
Dibromomethane	< 0.5	0.5	ug/L	
1,2-Dichlorobenzene	< 0.2	0.2	ug/L	
1,3-Dichlorobenzene	< 0.2	0.2	ug/L	
1,4-Dichlorobenzene	< 0.2	0.2	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514041 - 200514049

Date Received: **06-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514048** Receiving Comments: **-**

Coll Date	Coll Time	Field No	Sampling Point
03-JUN-2005	**1430**	**w-18**	**-**

Trip Blank	Field Blank
200514052	**200514044**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

Note: Positive Organic Results are indicated by BOLD.

	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS **(Cont.)**				08-JUN-05
Tenative detection of propane at 1ug/L and pentane at 1 ug/L (concentrations estimated).				
Dichlorodifluoromethane	< 1.0	1.0	ug/L	
1,1-Dichloroethane	< 0.2	0.2	ug/L	
1,2-Dichloroethane	< 0.2	0.2	ug/L	
1,1-Dichloroethene	< 0.5	0.5	ug/L	
cis-1,2-Dichloroethene	**7.2**	**0.2**	**ug/L**	
trans-1,2-Dichloroethene	**11**	**0.1**	**ug/L**	
Dichlorofluoromethane	< 0.5	0.5	ug/L	
1,2-Dichloropropane	< 0.2	0.2	ug/L	
1,3-Dichloropropane	< 0.2	0.2	ug/L	
2,2-Dichloropropane	< 0.5	0.5	ug/L	
1,1-Dichloropropene	< 0.2	0.2	ug/L	
cis-1,3-Dichloropropene	< 0.2	0.2	ug/L	
trans-1,3-Dichloropropene	< 0.2	0.2	ug/L	
Ethylbenzene	< 0.5	0.5	ug/L	
Peak present below report level				
Ethyl ether	< 2.0	2.0	ug/L	
Hexachlorobutadiene	< 1.0	1.0	ug/L	
Isopropylbenzene	< 0.5	0.5	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514041 - 200514049

Date Received: **06-JUN-2005**
Date Generated: **24-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514048** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
03-JUN-2005	**1430**	**w-18**	-

Trip Blank	Field Blank
200514052	**200514044**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

Note: Positive Organic Results are indicated by BOLD.

	Result	**Rept Level**	**Units**	**Analysis Date**
468 VOCs in Water by GC/MS **(Cont.)**				08-JUN-05
Tenative detection of propane at 1ug/L and pentane at 1 ug/L (concentrations estimated).				
p-Isopropyltoluene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Methylene chloride	< 0.5	0.5	ug/L	
Methyl ethyl ketone (MEK)	< 10	10	ug/L	
Methyl isobutyl ketone (MIBK)	< 5.0	5.0	ug/L	
Methyl tertiary butyl ether (MTBE)	< 2.0	2.0	ug/L	
Naphthalene	< 1.0	1.0	ug/L	
n-Propylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Styrene	< 0.5	0.5	ug/L	
1,1,1,2-Tetrachloroethane	< 0.2	0.2	ug/L	
1,1,2,2-Tetrachloroethane	< 0.2	0.2	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Tetrachloroethene	< 0.2	0.2	ug/L	
Tetrahydrofuran (THF)	< 10	10	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514041 - 200514049

Date Received: **06-JUN-2005**
Date Generated: **24-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514048** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
03-JUN-2005	**1430**	**w-18**	-

Trip Blank	Field Blank
200514052	**200514044**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

		Result	**Rept Level**	**Units**	**Analysis Date**
Note: Positive Organic Results are indicated by BOLD.					
468 VOCs in Water by GC/MS **(Cont.)**					08-JUN-05
Tenative detection of propane at 1ug/L and pentane at 1 ug/L (concentrations estimated).					
Toluene		**0.5**	**0.5**	**ug/L**	
1,2,3-Trichlorobenzene	<	1.0	1.0	ug/L	
1,2,4-Trichlorobenzene	<	0.5	0.5	ug/L	
1,1,1-Trichloroethane	<	0.2	0.2	ug/L	
1,1,2-Trichloroethane	<	0.2	0.2	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.					
Trichloroethene (TCE)		**0.6**	**0.1**	**ug/L**	
Trichlorofluoromethane	<	0.5	0.5	ug/L	
1,2,3-Trichloropropane	<	0.5	0.5	ug/L	
1,1,2-Trichlorotrifluoroethane	<	0.2	0.2	ug/L	
1,2,4-Trimethylbenzene	<	0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.					
1,3,5-Trimethylbenzene	<	0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.					
Vinyl chloride		**3.8**	**0.2**	**ug/L**	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514041 - 200514049

Date Received: **06-JUN-2005**
Date Generated: **24-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514048** Receiving Comments: **-**

Coll Date	Coll Time	Field No	Sampling Point
03-JUN-2005	**1430**	**w-18**	**-**

Trip Blank	Field Blank
200514052	**200514044**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

Note: Positive Organic Results are indicated by BOLD.

	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS **(Cont.)**				08-JUN-05
Tenative detection of propane at 1ug/L and pentane at 1 ug/L (concentrations estimated).				
o-Xylene	< 0.2	0.2	ug/L	
p&m-Xylene	< 0.3	0.3	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514041 - 200514049

Date Received: **06-JUN-2005**
Date Generated: **24-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514049** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
03-JUN-2005	**1520**	**w-2**	-

Trip Blank	Field Blank
200514052	**200514044**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS				08-JUN-05
4-Bromofluorobenzene (surrogate)	**95.9**	**70-130**	**%**	
1,2-Dichlorobenzene-D4 (surrogate)	**125**	**70-130**	**%**	
Acetone	< 20	20	ug/L	
Allyl chloride	< 0.5	0.5	ug/L	
Benzene	< 0.2	0.2	ug/L	
Bromobenzene	< 0.2	0.2	ug/L	
Bromochloromethane	< 0.5	0.5	ug/L	
Bromodichloromethane	< 0.2	0.2	ug/L	
Bromoform	< 0.5	0.5	ug/L	
Bromomethane	< 1.0	1.0	ug/L	
n-Butylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
sec-Butylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
tert-Butylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Carbon tetrachloride	< 0.2	0.2	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514041 - 200514049

Date Received: **06-JUN-2005**
Date Generated: **24-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514049** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
03-JUN-2005	**1520**	**w-2**	-

Trip Blank	Field Blank
200514052	**200514044**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS **(Cont.)**				08-JUN-05
Chlorobenzene	< 0.2	0.2	ug/L	
Chlorodibromomethane	< 0.5	0.5	ug/L	
Chloroethane	< 0.5	0.5	ug/L	
Chloroform	< 0.1	0.1	ug/L	
Chloromethane	< 1.0	1.0	ug/L	
2-Chlorotoluene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
4-Chlorotoluene	< 0.5	0.5	ug/L	
1,2-Dibromo-3-chloropropane (DBCP)	< 2.0	2.0	ug/L	
1,2-Dibromoethane (EDB)	< 0.5	0.5	ug/L	
Dibromomethane	< 0.5	0.5	ug/L	
1,2-Dichlorobenzene	< 0.2	0.2	ug/L	
1,3-Dichlorobenzene	< 0.2	0.2	ug/L	
1,4-Dichlorobenzene	< 0.2	0.2	ug/L	
Dichlorodifluoromethane	< 1.0	1.0	ug/L	
1,1-Dichloroethane	< 0.2	0.2	ug/L	
1,2-Dichloroethane	< 0.2	0.2	ug/L	
1,1-Dichloroethene	< 0.5	0.5	ug/L	
cis-1,2-Dichloroethene	**0.2**	**0.2**	**ug/L**	
trans-1,2-Dichloroethene	< 0.1	0.1	ug/L	
Dichlorofluoromethane	< 0.5	0.5	ug/L	
1,2-Dichloropropane	< 0.2	0.2	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514041 - 200514049

Date Received: **06-JUN-2005**
Date Generated: **24-JUN-2005**
Request Page: **44 of 46**
Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514049** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
03-JUN-2005	**1520**	**w-2**	-

Trip Blank	Field Blank
200514052	**200514044**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

Note: Positive Organic Results are indicated by BOLD.

	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS **(Cont.)**				08-JUN-05
1,3-Dichloropropane	< 0.2	0.2	ug/L	
2,2-Dichloropropane	< 0.5	0.5	ug/L	
1,1-Dichloropropene	< 0.2	0.2	ug/L	
cis-1,3-Dichloropropene	< 0.2	0.2	ug/L	
trans-1,3-Dichloropropene	< 0.2	0.2	ug/L	
Ethylbenzene	< 0.5	0.5	ug/L	
Ethyl ether	< 2.0	2.0	ug/L	
Hexachlorobutadiene	< 1.0	1.0	ug/L	
Isopropylbenzene	< 0.5	0.5	ug/L	
p-Isopropyltoluene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Methylene chloride	< 0.5	0.5	ug/L	
Methyl ethyl ketone (MEK)	< 10	10	ug/L	
Methyl isobutyl ketone (MIBK)	< 5.0	5.0	ug/L	
Methyl tertiary butyl ether (MTBE)	< 2.0	2.0	ug/L	
Naphthalene	< 1.0	1.0	ug/L	
n-Propylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Styrene	< 0.5	0.5	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514041 - 200514049

Date Received: **06-JUN-2005**
Date Generated: **24-JUN-2005**
Request Page: **45 of 46**
Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514049** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
03-JUN-2005	**1520**	**w-2**	-

Trip Blank	Field Blank
200514052	**200514044**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By ***PDS*** on ***16-JUN-05***

Note: Positive Organic Results are indicated by BOLD.

	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS **(Cont.)**				08-JUN-05
1,1,1,2-Tetrachloroethane	< 0.2	0.2	ug/L	
1,1,2,2-Tetrachloroethane	< 0.2	0.2	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. *Since the recoveries showed a positive bias and the target analyte* was not detected in the sample, the datum was accepted without qualification.				
Tetrachloroethene	< 0.2	0.2	ug/L	
Tetrahydrofuran (THF)	< 10	10	ug/L	
Toluene	< 0.5	0.5	ug/L	
Peak present below report level				
1,2,3-Trichlorobenzene	< 1.0	1.0	ug/L	
1,2,4-Trichlorobenzene	< 0.5	0.5	ug/L	
1,1,1-Trichloroethane	< 0.2	0.2	ug/L	
1,1,2-Trichloroethane	< 0.2	0.2	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Trichloroethene (TCE)	< 0.1	0.1	ug/L	
Peak present below report level				
Trichlorofluoromethane	< 0.5	0.5	ug/L	
1,2,3-Trichloropropane	< 0.5	0.5	ug/L	
1,1,2-Trichlorotrifluoroethane	< 0.2	0.2	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514041 - 200514049

Date Received: **06-JUN-2005**
Date Generated: **24-JUN-2005**
Request Page: **46 of 46**

Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514049** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
03-JUN-2005	**1520**	**w-2**	-

Trip Blank	Field Blank
200514052	**200514044**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS **(Cont.)**				08-JUN-05
1,2,4-Trimethylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
1,3,5-Trimethylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Vinyl chloride	< 0.2	0.2	ug/L	
o-Xylene	< 0.2	0.2	ug/L	
p&m-Xylene	< 0.3	0.3	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514050 - 200514052

Date Received: **06-JUN-2005**
Date Generated: **24-JUN-2005**
Request Page: **1 of 11**
Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
99613-XA	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514050** Receiving Comments: **468**

Coll Date	Coll Time	Field No	Sampling Point
03-JUN-2005	**1230**	**-**	**w21 ms**

Trip Blank	Field Blank
200514052	**200514044**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

Note: Positive Organic Results are indicated by BOLD.

	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS				17-JUN-05
4-Bromofluorobenzene (surrogate)	**79.5**	**70-130**	**%**	
1,2-Dichloroethane-D4 (surrogate)	**93.4**	**70-130**	**%**	
Dibromofluoromethane (surrogate)	**112**	**70-130**	**%**	
Toluene-d8 (surrogate)	**109**	**70-130**	**%**	
Acetone	**111**	**10**	**%**	
Allyl chloride	**92**	**2.5**	**%**	
Benzene	**102**	**1.0**	**%**	
Bromobenzene	**94**	**1.0**	**%**	
Bromochloromethane	**77**	**2.5**	**%**	
Bromodichloromethane	**91**	**1.0**	**%**	
Bromoform	**85**	**2.5**	**%**	
Bromomethane	**85**	**10**	**%**	
n-Butylbenzene	**142**	**2.5**	**%**	
sec-Butylbenzene	**135**	**2.5**	**%**	
tert-Butylbenzene	**134**	**2.5**	**%**	
Carbon tetrachloride	**93**	**1.0**	**%**	
Chlorobenzene	**116**	**1.0**	**%**	
Chlorodibromomethane	**113**	**2.5**	**%**	
Chloroethane	**106**	**2.5**	**%**	
Chloroform	**97**	**0.5**	**%**	
Chloromethane	**105**	**5.0**	**%**	
2-Chlorotoluene	**139**	**2.5**	**%**	
4-Chlorotoluene	**136**	**2.5**	**%**	
1,2-Dibromo-3-chloropropane (DBCP)	**119**	**10**	**%**	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514050 - 200514052

Date Received: **06-JUN-2005**
Date Generated: **24-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
99613-XA	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514050** Receiving Comments: **468**

Coll Date	Coll Time	Field No	Sampling Point
03-JUN-2005	**1230**	**-**	**w21 ms**

Trip Blank	Field Blank
200514052	**200514044**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

Note: Positive Organic Results are indicated by BOLD.

		Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS	**(Cont.)**				17-JUN-05
1,2-Dibromoethane (EDB)		**123**	**2.5**	**%**	
Dibromomethane		**91**	**2.5**	**%**	
1,2-Dichlorobenzene		**112**	**1.0**	**%**	
1,3-Dichlorobenzene		**126**	**1.0**	**%**	
1,4-Dichlorobenzene		**116**	**1.0**	**%**	
Dichlorodifluoromethane		**89**	**10**	**%**	
1,1-Dichloroethane		**105**	**1.0**	**%**	
1,2-Dichloroethane		**102**	**1.0**	**%**	
1,1-Dichloroethene		**93**	**2.5**	**%**	
cis-1,2-Dichloroethene		**91**	**1.0**	**%**	
trans-1,2-Dichloroethene		**92**	**0.5**	**%**	
Dichlorofluoromethane		**112**	**2.5**	**%**	
1,2-Dichloropropane		**108**	**1.0**	**%**	
1,3-Dichloropropane		**134**	**1.0**	**%**	
2,2-Dichloropropane		**92**	**2.5**	**%**	
1,1-Dichloropropene		**94**	**1.0**	**%**	
cis-1,3-Dichloropropene		**118**	**1.0**	**%**	
trans-1,3-Dichloropropene		**118**	**1.0**	**%**	
Ethylbenzene		**126**	**2.5**	**%**	
Ethyl ether		**98**	**10**	**%**	
Hexachlorobutadiene		**94**	**5.0**	**%**	
Isopropylbenzene		**117**	**2.5**	**%**	
p-Isopropyltoluene		**138**	**2.5**	**%**	
Methylene chloride		**91**	**2.5**	**%**	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514050 - 200514052

Date Received: **06-JUN-2005**
Date Generated: **24-JUN-2005**
Request Page: **3 of 11**

Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
99613-XA	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514050** Receiving Comments: **468**

Coll Date	Coll Time	Field No	Sampling Point
03-JUN-2005	**1230**	**-**	**w21 ms**

Trip Blank	Field Blank
200514052	**200514044**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

Note: Positive Organic Results are indicated by BOLD.

	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS **(Cont.)**				17-JUN-05
Methyl ethyl ketone (MEK)	115	10	%	
Methyl isobutyl ketone (MIBK)	135	10	%	
Methyl tertiary butyl ether (MTBE)	92	10	%	
Naphthalene	104	5.0	%	
n-Propylbenzene	141	2.5	%	
Styrene	129	2.5	%	
1,1,1,2-Tetrachloroethane	111	1.0	%	
1,1,2,2-Tetrachloroethane	133	1.0	%	
Tetrachloroethene	77	1.0	%	
Tetrahydrofuran (THF)	116	10	%	
Toluene	136	2.5	%	
1,2,3-Trichlorobenzene	115	5.0	%	
1,2,4-Trichlorobenzene	96	2.5	%	
1,1,1-Trichloroethane	94	1.0	%	
1,1,2-Trichloroethane	135	1.0	%	
Trichloroethene (TCE)	83	0.5	%	
Trichlorofluoromethane	110	2.5	%	
1,2,3-Trichloropropane	125	2.5	%	
1,1,2-Trichlorotrifluoroethane	78	1.0	%	
1,2,4-Trimethylbenzene	141	2.5	%	
1,3,5-Trimethylbenzene	141	2.5	%	
Vinyl chloride	117	1.0	%	
o-Xylene	122	1.0	%	
p&m-Xylene	130	2.0	%	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514050 - 200514052

Date Received: **06-JUN-2005**
Date Generated: **24-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
99613-XA	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514051** Receiving Comments: **468**

Coll Date	Coll Time	Field No	Sampling Point
03-JUN-2005	**0000**	**-**	**w21 msd**

Trip Blank	Field Blank
200514052	**200514044**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS				17-JUN-05
4-Bromofluorobenzene (surrogate)	**80.0**	**70-130**	**%**	
1,2-Dichloroethane-D4 (surrogate)	**92.6**	**70-130**	**%**	
Dibromofluoromethane (surrogate)	**112**	**70-130**	**%**	
Toluene-d8 (surrogate)	**110**	**70-130**	**%**	
Acetone	**121**	**10**	**%**	
Allyl chloride	**90**	**2.5**	**%**	
Benzene	**98**	**1.0**	**%**	
Bromobenzene	**95**	**1.0**	**%**	
Bromochloromethane	**76**	**2.5**	**%**	
Bromodichloromethane	**89**	**1.0**	**%**	
Bromoform	**84**	**2.5**	**%**	
Bromomethane	**83**	**10**	**%**	
n-Butylbenzene	**139**	**2.5**	**%**	
sec-Butylbenzene	**127**	**2.5**	**%**	
tert-Butylbenzene	**123**	**2.5**	**%**	
Carbon tetrachloride	**91**	**1.0**	**%**	
Chlorobenzene	**114**	**1.0**	**%**	
Chlorodibromomethane	**110**	**2.5**	**%**	
Chloroethane	**101**	**2.5**	**%**	
Chloroform	**92**	**0.5**	**%**	
Chloromethane	**104**	**5.0**	**%**	
2-Chlorotoluene	**138**	**2.5**	**%**	
4-Chlorotoluene	**133**	**2.5**	**%**	
1,2-Dibromo-3-chloropropane (DBCP)	**117**	**10**	**%**	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514050 - 200514052

Date Received: **06-JUN-2005**
Date Generated: **24-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
99613-XA	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514051** Receiving Comments: **468**

Coll Date	Coll Time	Field No	Sampling Point
03-JUN-2005	**0000**	**-**	**w21 msd**

Trip Blank	Field Blank
200514052	**200514044**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

Note: Positive Organic Results are indicated by BOLD.

		Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS	**(Cont.)**				17-JUN-05
1,2-Dibromoethane (EDB)		**123**	**2.5**	**%**	
Dibromomethane		**90**	**2.5**	**%**	
1,2-Dichlorobenzene		**113**	**1.0**	**%**	
1,3-Dichlorobenzene		**123**	**1.0**	**%**	
1,4-Dichlorobenzene		**114**	**1.0**	**%**	
Dichlorodifluoromethane		**84**	**10**	**%**	
1,1-Dichloroethane		**104**	**1.0**	**%**	
1,2-Dichloroethane		**99**	**1.0**	**%**	
1,1-Dichloroethene		**97**	**2.5**	**%**	
cis-1,2-Dichloroethene		**91**	**1.0**	**%**	
trans-1,2-Dichloroethene		**88**	**0.5**	**%**	
Dichlorofluoromethane		**107**	**2.5**	**%**	
1,2-Dichloropropane		**105**	**1.0**	**%**	
1,3-Dichloropropane		**130**	**1.0**	**%**	
2,2-Dichloropropane		**91**	**2.5**	**%**	
1,1-Dichloropropene		**92**	**1.0**	**%**	
cis-1,3-Dichloropropene		**118**	**1.0**	**%**	
trans-1,3-Dichloropropene		**119**	**1.0**	**%**	
Ethylbenzene		**129**	**2.5**	**%**	
Ethyl ether		**97**	**10**	**%**	
Hexachlorobutadiene		**92**	**10**	**%**	
Isopropylbenzene		**117**	**2.5**	**%**	
p-Isopropyltoluene		**136**	**2.5**	**%**	
Methylene chloride		**89**	**2.5**	**%**	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514050 - 200514052

Date Received: **06-JUN-2005**
Date Generated: **24-JUN-2005**
Request Page: **6 of 11**
Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
99613-XA	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514051** Receiving Comments: **468**

Coll Date	Coll Time	Field No	Sampling Point
03-JUN-2005	**0000**	**-**	**w21 msd**

Trip Blank	Field Blank
200514052	**200514044**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

Note: Positive Organic Results are indicated by BOLD.

	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS **(Cont.)**				17-JUN-05
Methyl ethyl ketone (MEK)	**117**	**10**	**%**	
Methyl isobutyl ketone (MIBK)	**135**	**10**	**%**	
Methyl tertiary butyl ether (MTBE)	**93**	**10**	**%**	
Naphthalene	**110**	**5.0**	**%**	
n-Propylbenzene	**137**	**2.5**	**%**	
Styrene	**127**	**2.5**	**%**	
1,1,1,2-Tetrachloroethane	**113**	**1.0**	**%**	
1,1,2,2-Tetrachloroethane	**125**	**1.0**	**%**	
Tetrachloroethene	**75**	**1.0**	**%**	
Tetrahydrofuran (THF)	**118**	**10**	**%**	
Toluene	**124**	**2.5**	**%**	
1,2,3-Trichlorobenzene	**116**	**5.0**	**%**	
1,2,4-Trichlorobenzene	**99**	**2.5**	**%**	
1,1,1-Trichloroethane	**92**	**1.0**	**%**	
1,1,2-Trichloroethane	**130**	**1.0**	**%**	
Trichloroethene (TCE)	**82**	**0.5**	**%**	
Trichlorofluoromethane	**105**	**2.5**	**%**	
1,2,3-Trichloropropane	**126**	**2.5**	**%**	
1,1,2-Trichlorotrifluoroethane	**85**	**1.0**	**%**	
1,2,4-Trimethylbenzene	**140**	**2.5**	**%**	
1,3,5-Trimethylbenzene	**134**	**2.5**	**%**	
Vinyl chloride	**114**	**1.0**	**%**	
o-Xylene	**122**	**1.0**	**%**	
p&m-Xylene	**128**	**2.0**	**%**	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514050 - 200514052

Date Received: **06-JUN-2005**
Date Generated: **24-JUN-2005**
Request Page: **7 of 11**
Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
99613-XA	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514052** Receiving Comments: **468**

Coll Date	Coll Time	Field No	Sampling Point
03-JUN-2005	**0000**	**-**	**trip blank**

Trip Blank	Field Blank
200514052	**200514044**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS				08-JUN-05
4-Bromofluorobenzene (surrogate)	**96.1**	**70-130**	**%**	
1,2-Dichlorobenzene-D4 (surrogate)	**127**	**70-130**	**%**	
Acetone	< 20	20	ug/L	
Allyl chloride	< 0.5	0.5	ug/L	
Benzene	< 0.2	0.2	ug/L	
Bromobenzene	< 0.2	0.2	ug/L	
Bromochloromethane	< 0.5	0.5	ug/L	
Bromodichloromethane	< 0.2	0.2	ug/L	
Bromoform	< 0.5	0.5	ug/L	
Bromomethane	< 1.0	1.0	ug/L	
n-Butylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
sec-Butylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
tert-Butylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Carbon tetrachloride	< 0.2	0.2	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514050 - 200514052

Date Received: **06-JUN-2005**
Date Generated: **24-JUN-2005**
Request Page: **8 of 11**

Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
99613-XA	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514052** Receiving Comments: **468**

Coll Date	Coll Time	Field No	Sampling Point
03-JUN-2005	**0000**	**-**	**trip blank**

Trip Blank	Field Blank
200514052	**200514044**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

Note: Positive Organic Results are indicated by BOLD.

	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS **(Cont.)**				08-JUN-05
Chlorobenzene	< 0.2	0.2	ug/L	
Chlorodibromomethane	< 0.5	0.5	ug/L	
Chloroethane	< 0.5	0.5	ug/L	
Chloroform	< 0.1	0.1	ug/L	
Chloromethane	< 1.0	1.0	ug/L	
2-Chlorotoluene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
4-Chlorotoluene	< 0.5	0.5	ug/L	
1,2-Dibromo-3-chloropropane (DBCP)	< 2.0	2.0	ug/L	
1,2-Dibromoethane (EDB)	< 0.5	0.5	ug/L	
Dibromomethane	< 0.5	0.5	ug/L	
1,2-Dichlorobenzene	< 0.2	0.2	ug/L	
1,3-Dichlorobenzene	< 0.2	0.2	ug/L	
1,4-Dichlorobenzene	< 0.2	0.2	ug/L	
Dichlorodifluoromethane	< 1.0	1.0	ug/L	
1,1-Dichloroethane	< 0.2	0.2	ug/L	
1,2-Dichloroethane	< 0.2	0.2	ug/L	
1,1-Dichloroethene	< 0.5	0.5	ug/L	
cis-1,2-Dichloroethene	< 0.2	0.2	ug/L	
trans-1,2-Dichloroethene	< 0.1	0.1	ug/L	
Dichlorofluoromethane	< 0.5	0.5	ug/L	
1,2-Dichloropropane	< 0.2	0.2	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514050 - 200514052

Date Received: **06-JUN-2005**
Date Generated: **24-JUN-2005**
Request Page: **9 of 11**

Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
99613-XA	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514052** Receiving Comments: **468**

Coll Date	Coll Time	Field No	Sampling Point
03-JUN-2005	**0000**	**-**	**trip blank**

Trip Blank	Field Blank
200514052	**200514044**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS **(Cont.)**				08-JUN-05
1,3-Dichloropropane	< 0.2	0.2	ug/L	
2,2-Dichloropropane	< 0.5	0.5	ug/L	
1,1-Dichloropropene	< 0.2	0.2	ug/L	
cis-1,3-Dichloropropene	< 0.2	0.2	ug/L	
trans-1,3-Dichloropropene	< 0.2	0.2	ug/L	
Ethylbenzene	< 0.5	0.5	ug/L	
Ethyl ether	< 2.0	2.0	ug/L	
Hexachlorobutadiene	< 1.0	1.0	ug/L	
Isopropylbenzene	< 0.5	0.5	ug/L	
p-Isopropyltoluene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Methylene chloride	< 0.5	0.5	ug/L	
Methyl ethyl ketone (MEK)	< 10	10	ug/L	
Methyl isobutyl ketone (MIBK)	< 5.0	5.0	ug/L	
Methyl tertiary butyl ether (MTBE)	< 2.0	2.0	ug/L	
Naphthalene	< 1.0	1.0	ug/L	
n-Propylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Styrene	< 0.5	0.5	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514050 - 200514052

Date Received: **06-JUN-2005**
Date Generated: **24-JUN-2005**
Request Page: **10 of 11**
Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
99613-XA	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514052** Receiving Comments: **468**

Coll Date	Coll Time	Field No	Sampling Point
03-JUN-2005	**0000**	**-**	**trip blank**

Trip Blank	Field Blank
200514052	**200514044**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

Note: Positive Organic Results are indicated by BOLD.

	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS **(Cont.)**				08-JUN-05
1,1,1,2-Tetrachloroethane	< 0.2	0.2	ug/L	
1,1,2,2-Tetrachloroethane	< 0.2	0.2	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Tetrachloroethene	< 0.2	0.2	ug/L	
Tetrahydrofuran (THF)	< 10	10	ug/L	
Toluene	< 0.5	0.5	ug/L	
1,2,3-Trichlorobenzene	< 1.0	1.0	ug/L	
1,2,4-Trichlorobenzene	< 0.5	0.5	ug/L	
1,1,1-Trichloroethane	< 0.2	0.2	ug/L	
1,1,2-Trichloroethane	< 0.2	0.2	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Trichloroethene (TCE)	< 0.1	0.1	ug/L	
Trichlorofluoromethane	< 0.5	0.5	ug/L	
1,2,3-Trichloropropane	< 0.5	0.5	ug/L	
1,1,2-Trichlorotrifluoroethane	< 0.2	0.2	ug/L	
1,2,4-Trimethylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514050 - 200514052

Date Received: **06-JUN-2005**
Date Generated: **24-JUN-2005**
Request Page: **11 of 11**
Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
99613-XA	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514052** Receiving Comments: **468**

Coll Date	Coll Time	Field No	Sampling Point
03-JUN-2005	**0000**	**-**	**trip blank**

Trip Blank	Field Blank
200514052	**200514044**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS **(Cont.)**				08-JUN-05
1,3,5-Trimethylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Vinyl chloride	< 0.2	0.2	ug/L	
o-Xylene	< 0.2	0.2	ug/L	
p&m-Xylene	< 0.3	0.3	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514574 - 200514584

Date Received: **08-JUN-2005**
Date Generated: **24-JUN-2005**
Request Page: **1 of 51**

Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514574** Receiving Comments: **-**

Coll Date	Coll Time	Field No	Sampling Point
06-JUN-2005	**1545**	**p304**	**-**

Trip Blank	Field Blank
200514583	**200514582**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS				09-JUN-05
4-Bromofluorobenzene (surrogate)	**96.9**	**70-130**	**%**	
1,2-Dichlorobenzene-D4 (surrogate)	**128**	**70-130**	**%**	
Acetone	< 20	20	ug/L	
Allyl chloride	< 0.5	0.5	ug/L	
Benzene	< 0.2	0.2	ug/L	
Bromobenzene	< 0.2	0.2	ug/L	
Bromochloromethane	< 0.5	0.5	ug/L	
Bromodichloromethane	< 0.2	0.2	ug/L	
Bromoform	< 0.5	0.5	ug/L	
Bromomethane	< 1.0	1.0	ug/L	
n-Butylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
sec-Butylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
tert-Butylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Carbon tetrachloride	< 0.2	0.2	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514574 - 200514584

Date Received: **08-JUN-2005**
Date Generated: **24-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514574** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
06-JUN-2005	**1545**	**p304**	-

Trip Blank	Field Blank
200514583	**200514582**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

Note: Positive Organic Results are indicated by BOLD.

	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS **(Cont.)**				09-JUN-05
Chlorobenzene	< 0.2	0.2	ug/L	
Chlorodibromomethane	< 0.5	0.5	ug/L	
Chloroethane	< 0.5	0.5	ug/L	
Chloroform	< 0.1	0.1	ug/L	
Chloromethane	< 1.0	1.0	ug/L	
2-Chlorotoluene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
4-Chlorotoluene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
1,2-Dibromo-3-chloropropane (DBCP)	< 2.0	2.0	ug/L	
1,2-Dibromoethane (EDB)	< 0.5	0.5	ug/L	
Dibromomethane	< 0.5	0.5	ug/L	
1,2-Dichlorobenzene	< 0.2	0.2	ug/L	
1,3-Dichlorobenzene	< 0.2	0.2	ug/L	
1,4-Dichlorobenzene	< 0.2	0.2	ug/L	
Dichlorodifluoromethane	< 1.0	1.0	ug/L	
1,1-Dichloroethane	< 0.2	0.2	ug/L	
1,2-Dichloroethane	< 0.2	0.2	ug/L	
1,1-Dichloroethene	< 0.5	0.5	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514574 - 200514584

Date Received: **08-JUN-2005**
Date Generated: **24-JUN-2005**
Request Page: **3 of 51**
Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514574** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
06-JUN-2005	**1545**	**p304**	-

Trip Blank	Field Blank
200514583	**200514582**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS **(Cont.)**				09-JUN-05
cis-1,2-Dichloroethene	< 0.2	0.2	ug/L	
trans-1,2-Dichloroethene	< 0.1	0.1	ug/L	
Dichlorofluoromethane	< 0.5	0.5	ug/L	
1,2-Dichloropropane	< 0.2	0.2	ug/L	
1,3-Dichloropropane	< 0.2	0.2	ug/L	
2,2-Dichloropropane	< 0.5	0.5	ug/L	
1,1-Dichloropropene	< 0.2	0.2	ug/L	
cis-1,3-Dichloropropene	< 0.2	0.2	ug/L	
trans-1,3-Dichloropropene	< 0.2	0.2	ug/L	
Ethylbenzene	< 0.5	0.5	ug/L	
Ethyl ether	< 2.0	2.0	ug/L	
Hexachlorobutadiene	< 1.0	1.0	ug/L	
Isopropylbenzene	< 0.5	0.5	ug/L	
p-Isopropyltoluene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Methylene chloride	< 0.5	0.5	ug/L	
Methyl ethyl ketone (MEK)	< 10	10	ug/L	
Methyl isobutyl ketone (MIBK)	< 5.0	5.0	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514574 - 200514584

Date Received: **08-JUN-2005**
Date Generated: **24-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514574** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
06-JUN-2005	**1545**	**p304**	-

Trip Blank	Field Blank
200514583	**200514582**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS **(Cont.)**				09-JUN-05
Methyl tertiary butyl ether (MTBE)	< 2.0	2.0	ug/L	
Naphthalene	< 1.0	1.0	ug/L	
n-Propylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Styrene	< 0.5	0.5	ug/L	
1,1,1,2-Tetrachloroethane	< 0.2	0.2	ug/L	
1,1,2,2-Tetrachloroethane	< 0.2	0.2	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Tetrachloroethene	< 0.2	0.2	ug/L	
Tetrahydrofuran (THF)	< 10	10	ug/L	
Toluene	< 0.5	0.5	ug/L	
1,2,3-Trichlorobenzene	< 1.0	1.0	ug/L	
1,2,4-Trichlorobenzene	< 0.5	0.5	ug/L	
1,1,1-Trichloroethane	< 0.2	0.2	ug/L	
1,1,2-Trichloroethane	< 0.2	0.2	ug/L	
Trichloroethene (TCE)	**0.1**	**0.1**	**ug/L**	
Trichlorofluoromethane	< 0.5	0.5	ug/L	
1,2,3-Trichloropropane	< 0.5	0.5	ug/L	
1,1,2-Trichlorotrifluoroethane	< 0.2	0.2	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514574 - 200514584

Date Received: **08-JUN-2005**
Date Generated: **24-JUN-2005**
Request Page: **5 of 51**

Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514574** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
06-JUN-2005	**1545**	**p304**	-

Trip Blank	Field Blank
200514583	**200514582**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS **(Cont.)**				09-JUN-05
1,2,4-Trimethylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
1,3,5-Trimethylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Vinyl chloride	< 0.2	0.2	ug/L	
o-Xylene	< 0.2	0.2	ug/L	
p&m-Xylene	< 0.3	0.3	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514574 - 200514584

Date Received: **08-JUN-2005**
Date Generated: **24-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514575** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
06-JUN-2005	**1645**	**p305**	-

Trip Blank	Field Blank
200514583	**200514582**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS				09-JUN-05
4-Bromofluorobenzene (surrogate)	**95.9**	**70-130**	**%**	
1,2-Dichloroethane-D4 (surrogate)	**90.3**	**70-130**	**%**	
Dibromofluoromethane (surrogate)	**111**	**70-130**	**%**	
Toluene-d8 (surrogate)	**102**	**70-130**	**%**	
Acetone	< 20	20	ug/L	
Allyl chloride	< 0.5	0.5	ug/L	
Benzene	< 0.2	0.2	ug/L	
Bromobenzene	< 0.2	0.2	ug/L	
Bromochloromethane	< 0.5	0.5	ug/L	
Bromodichloromethane	< 0.2	0.2	ug/L	
Bromoform	< 0.5	0.5	ug/L	
Bromomethane	< 1.0	1.0	ug/L	
n-Butylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
sec-Butylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514574 - 200514584

Date Received: **08-JUN-2005**
Date Generated: **24-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514575** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
06-JUN-2005	**1645**	**p305**	-

Trip Blank	Field Blank
200514583	**200514582**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

Note: Positive Organic Results are indicated by BOLD.

		Result	Rept Level	Units	Analysis Date
468	VOCs in Water by GC/MS **(Cont.)**				09-JUN-05
	tert-Butylbenzene	< 0.5	0.5	ug/L	
	The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
	Carbon tetrachloride	< 0.2	0.2	ug/L	
	Chlorobenzene	< 0.2	0.2	ug/L	
	Chlorodibromomethane	< 0.5	0.5	ug/L	
	Chloroethane	< 0.5	0.5	ug/L	
	Chloroform	< 0.1	0.1	ug/L	
	Chloromethane	< 1.0	1.0	ug/L	
	2-Chlorotoluene	< 0.5	0.5	ug/L	
	The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
	4-Chlorotoluene	< 0.5	0.5	ug/L	
	The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
	1,2-Dibromo-3-chloropropane (DBCP)	< 2.0	2.0	ug/L	
	1,2-Dibromoethane (EDB)	< 0.5	0.5	ug/L	
	Dibromomethane	< 0.5	0.5	ug/L	
	1,2-Dichlorobenzene	< 0.2	0.2	ug/L	
	1,3-Dichlorobenzene	< 0.2	0.2	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514574 - 200514584

Date Received: **08-JUN-2005**
Date Generated: **24-JUN-2005**
Request Page: **8 of 51**
Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514575** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
06-JUN-2005	**1645**	**p305**	-

Trip Blank	Field Blank
200514583	**200514582**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

Note: Positive Organic Results are indicated by BOLD.

	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS **(Cont.)**				09-JUN-05
1,4-Dichlorobenzene	< 0.2	0.2	ug/L	
Dichlorodifluoromethane	< 1.0	1.0	ug/L	
1,1-Dichloroethane	< 0.2	0.2	ug/L	
1,2-Dichloroethane	< 0.2	0.2	ug/L	
1,1-Dichloroethene	< 0.5	0.5	ug/L	
cis-1,2-Dichloroethene	< 0.2	0.2	ug/L	
trans-1,2-Dichloroethene	< 0.1	0.1	ug/L	
Dichlorofluoromethane	< 0.5	0.5	ug/L	
1,2-Dichloropropane	< 0.2	0.2	ug/L	
1,3-Dichloropropane	< 0.2	0.2	ug/L	
2,2-Dichloropropane	< 0.5	0.5	ug/L	
1,1-Dichloropropene	< 0.2	0.2	ug/L	
cis-1,3-Dichloropropene	< 0.2	0.2	ug/L	
trans-1,3-Dichloropropene	< 0.2	0.2	ug/L	
Ethylbenzene	< 0.5	0.5	ug/L	
Ethyl ether	< 2.0	2.0	ug/L	
Hexachlorobutadiene	< 1.0	1.0	ug/L	
Isopropylbenzene	< 0.5	0.5	ug/L	
p-Isopropyltoluene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Methylene chloride	< 0.5	0.5	ug/L	
Methyl ethyl ketone (MEK)	< 10	10	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514574 - 200514584

Date Received: **08-JUN-2005**
Date Generated: **24-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514575** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
06-JUN-2005	**1645**	**p305**	-

Trip Blank	Field Blank
200514583	**200514582**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS **(Cont.)**				09-JUN-05
Methyl isobutyl ketone (MIBK)	< 5.0	5.0	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Methyl tertiary butyl ether (MTBE)	< 2.0	2.0	ug/L	
Naphthalene	**1.0**	**1.0**	**ug/L**	
n-Propylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Styrene	< 0.5	0.5	ug/L	
1,1,1,2-Tetrachloroethane	< 0.2	0.2	ug/L	
1,1,2,2-Tetrachloroethane	< 0.2	0.2	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Tetrachloroethene	< 0.2	0.2	ug/L	
Tetrahydrofuran (THF)	< 10	10	ug/L	
Toluene	< 0.5	0.5	ug/L	
1,2,3-Trichlorobenzene	< 1.0	1.0	ug/L	
1,2,4-Trichlorobenzene	< 0.5	0.5	ug/L	
1,1,1-Trichloroethane	< 0.2	0.2	ug/L	
1,1,2-Trichloroethane	< 0.2	0.2	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514574 - 200514584

Date Received: **08-JUN-2005**
Date Generated: **24-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514575** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
06-JUN-2005	**1645**	**p305**	-

Trip Blank	Field Blank
200514583	**200514582**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS **(Cont.)**				09-JUN-05
Trichloroethene (TCE)	< 0.1	0.1	ug/L	
Trichlorofluoromethane	< 0.5	0.5	ug/L	
1,2,3-Trichloropropane	< 0.5	0.5	ug/L	
1,1,2-Trichlorotrifluoroethane	< 0.2	0.2	ug/L	
1,2,4-Trimethylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
1,3,5-Trimethylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Vinyl chloride	< 0.2	0.2	ug/L	
o-Xylene	< 0.2	0.2	ug/L	
p&m-Xylene	< 0.3	0.3	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514574 - 200514584

Date Received: **08-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514576** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
06-JUN-2005	**1545**	**p304**	-

Trip Blank	Field Blank
200514583	**200514582**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS				18-JUN-05
4-Bromofluorobenzene (surrogate)	80.2	70-130	%	
1,2-Dichloroethane-D4 (surrogate)	91.2	70-130	%	
Dibromofluoromethane (surrogate)	111	70-130	%	
Toluene-d8 (surrogate)	110	70-130	%	
Acetone	117	10	%	
Allyl chloride	91	2.5	%	
Benzene	102	1.0	%	
Bromobenzene	101	1.0	%	
Bromochloromethane	75	2.5	%	
Bromodichloromethane	89	1.0	%	
Bromoform	83	2.5	%	
Bromomethane	82	10	%	
n-Butylbenzene	149	2.5	%	
sec-Butylbenzene	140	2.5	%	
tert-Butylbenzene	137	2.5	%	
Carbon tetrachloride	92	1.0	%	
Chlorobenzene	118	1.0	%	
Chlorodibromomethane	111	2.5	%	
Chloroethane	101	2.5	%	
Chloroform	93	0.5	%	
Chloromethane	105	5.0	%	
2-Chlorotoluene	132	2.5	%	
4-Chlorotoluene	135	2.5	%	
1,2-Dibromo-3-chloropropane (DBCP)	124	10	%	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514574 - 200514584

Date Received: **08-JUN-2005**
Date Generated: **24-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514576** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
06-JUN-2005	**1545**	**p304**	-

Trip Blank	Field Blank
200514583	**200514582**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

Note: Positive Organic Results are indicated by BOLD.

	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS **(Cont.)**				18-JUN-05
1,2-Dibromoethane (EDB)	126	2.5	%	
Dibromomethane	89	2.5	%	
1,2-Dichlorobenzene	118	1.0	%	
1,3-Dichlorobenzene	130	1.0	%	
1,4-Dichlorobenzene	117	1.0	%	
Dichlorodifluoromethane	92	10	%	
1,1-Dichloroethane	104	1.0	%	
1,2-Dichloroethane	100	1.0	%	
1,1-Dichloroethene	93	2.5	%	
cis-1,2-Dichloroethene	94	1.0	%	
trans-1,2-Dichloroethene	93	0.5	%	
Dichlorofluoromethane	106	2.5	%	
1,2-Dichloropropane	108	1.0	%	
1,3-Dichloropropane	139	1.0	%	
2,2-Dichloropropane	87	2.5	%	
1,1-Dichloropropene	95	1.0	%	
cis-1,3-Dichloropropene	122	1.0	%	
trans-1,3-Dichloropropene	120	1.0	%	
Ethylbenzene	125	2.5	%	
Ethyl ether	95	10	%	
Hexachlorobutadiene	94	10	%	
Isopropylbenzene	121	2.5	%	
p-Isopropyltoluene	142	2.5	%	
Methylene chloride	91	2.5	%	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514574 - 200514584

Date Received: **08-JUN-2005**
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Date Reported: **24-JUN-2005**
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Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514576** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
06-JUN-2005	**1545**	**p304**	-

Trip Blank	Field Blank
200514583	**200514582**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

Note: Positive Organic Results are indicated by BOLD.

	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS **(Cont.)**				18-JUN-05
Methyl ethyl ketone (MEK)	**123**	**10**	**%**	
Methyl isobutyl ketone (MIBK)	**141**	**10**	**%**	
Methyl tertiary butyl ether (MTBE)	**104**	**10**	**%**	
Naphthalene	**125**	**5.0**	**%**	
n-Propylbenzene	**143**	**2.5**	**%**	
Styrene	**129**	**2.5**	**%**	
1,1,1,2-Tetrachloroethane	**112**	**1.0**	**%**	
1,1,2,2-Tetrachloroethane	**134**	**1.0**	**%**	
Tetrachloroethene	**78**	**1.0**	**%**	
Tetrahydrofuran (THF)	**118**	**10**	**%**	
Toluene	**128**	**2.5**	**%**	
1,2,3-Trichlorobenzene	**124**	**5.0**	**%**	
1,2,4-Trichlorobenzene	**106**	**2.5**	**%**	
1,1,1-Trichloroethane	**93**	**1.0**	**%**	
1,1,2-Trichloroethane	**130**	**1.0**	**%**	
Trichloroethene (TCE)	**85**	**0.5**	**%**	
Trichlorofluoromethane	**103**	**2.5**	**%**	
1,2,3-Trichloropropane	**125**	**2.5**	**%**	
1,1,2-Trichlorotrifluoroethane	**74**	**1.0**	**%**	
1,2,4-Trimethylbenzene	**146**	**2.5**	**%**	
1,3,5-Trimethylbenzene	**144**	**2.5**	**%**	
Vinyl chloride	**114**	**1.0**	**%**	
o-Xylene	**126**	**1.0**	**%**	
p&m-Xylene	**134**	**2.0**	**%**	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514574 - 200514584

Date Received: **08-JUN-2005**
Date Generated: **24-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514577** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
07-JUN-2005	**1020**	**p8**	-

Trip Blank	Field Blank
200514583	**200514582**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS				09-JUN-05
4-Bromofluorobenzene (surrogate)	**94.6**	**70-130**	**%**	
1,2-Dichlorobenzene-D4 (surrogate)	**129**	**70-130**	**%**	
Acetone	< 20	20	ug/L	
Allyl chloride	< 0.5	0.5	ug/L	
Benzene	**0.5**	**0.2**	**ug/L**	
Bromobenzene	< 0.2	0.2	ug/L	
Bromochloromethane	< 0.5	0.5	ug/L	
Bromodichloromethane	< 0.2	0.2	ug/L	
Bromoform	< 0.5	0.5	ug/L	
Bromomethane	< 1.0	1.0	ug/L	
n-Butylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
sec-Butylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
tert-Butylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Carbon tetrachloride	< 0.2	0.2	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514574 - 200514584

Date Received: **08-JUN-2005**
Date Generated: **24-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514577** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
07-JUN-2005	**1020**	**p8**	-

Trip Blank	Field Blank
200514583	**200514582**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS **(Cont.)**				09-JUN-05
Chlorobenzene	< 0.2	0.2	ug/L	
Chlorodibromomethane	< 0.5	0.5	ug/L	
Chloroethane	< 0.5	0.5	ug/L	
Chloroform	< 0.1	0.1	ug/L	
Chloromethane	< 1.0	1.0	ug/L	
2-Chlorotoluene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
4-Chlorotoluene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
1,2-Dibromo-3-chloropropane (DBCP)	< 2.0	2.0	ug/L	
1,2-Dibromoethane (EDB)	< 0.5	0.5	ug/L	
Dibromomethane	< 0.5	0.5	ug/L	
1,2-Dichlorobenzene	< 0.2	0.2	ug/L	
1,3-Dichlorobenzene	< 0.2	0.2	ug/L	
1,4-Dichlorobenzene	< 0.2	0.2	ug/L	
Dichlorodifluoromethane	< 1.0	1.0	ug/L	
1,1-Dichloroethane	< 0.2	0.2	ug/L	
Peak present below report level				
1,2-Dichloroethane	< 0.2	0.2	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514574 - 200514584

Date Received: **08-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514577** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
07-JUN-2005	**1020**	**p8**	-

Trip Blank	Field Blank
200514583	**200514582**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS **(Cont.)**				09-JUN-05
1,1-Dichloroethene	< 0.5	0.5	ug/L	
Peak present below report level				
cis-1,2-Dichloroethene	**98**	**0.2**	**ug/L**	
trans-1,2-Dichloroethene	**23**	**0.1**	**ug/L**	
Dichlorofluoromethane	< 0.5	0.5	ug/L	
Peak present below report level				
1,2-Dichloropropane	< 0.2	0.2	ug/L	
1,3-Dichloropropane	< 0.2	0.2	ug/L	
2,2-Dichloropropane	< 0.5	0.5	ug/L	
1,1-Dichloropropene	< 0.2	0.2	ug/L	
cis-1,3-Dichloropropene	< 0.2	0.2	ug/L	
trans-1,3-Dichloropropene	< 0.2	0.2	ug/L	
Ethylbenzene	< 0.5	0.5	ug/L	
Ethyl ether	< 2.0	2.0	ug/L	
Hexachlorobutadiene	< 1.0	1.0	ug/L	
Isopropylbenzene	< 0.5	0.5	ug/L	
p-Isopropyltoluene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Methylene chloride	< 0.5	0.5	ug/L	
Methyl ethyl ketone (MEK)	< 10	10	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514574 - 200514584

Date Received: **08-JUN-2005**
Date Generated: **24-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514577** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
07-JUN-2005	**1020**	**p8**	-

Trip Blank	Field Blank
200514583	**200514582**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS **(Cont.)**				09-JUN-05
Methyl isobutyl ketone (MIBK)	< 5.0	5.0	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Methyl tertiary butyl ether (MTBE)	< 2.0	2.0	ug/L	
Naphthalene	< 1.0	1.0	ug/L	
n-Propylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Styrene	< 0.5	0.5	ug/L	
1,1,1,2-Tetrachloroethane	< 0.2	0.2	ug/L	
1,1,2,2-Tetrachloroethane	< 0.2	0.2	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Tetrachloroethene	< 0.2	0.2	ug/L	
Tetrahydrofuran (THF)	< 10	10	ug/L	
Toluene	< 0.5	0.5	ug/L	
1,2,3-Trichlorobenzene	< 1.0	1.0	ug/L	
1,2,4-Trichlorobenzene	< 0.5	0.5	ug/L	
1,1,1-Trichloroethane	< 0.2	0.2	ug/L	
1,1,2-Trichloroethane	< 0.2	0.2	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514574 - 200514584

Date Received: **08-JUN-2005**
Date Generated: **24-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514577** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
07-JUN-2005	**1020**	**p8**	-

Trip Blank	Field Blank
200514583	**200514582**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS **(Cont.)**				09-JUN-05
Trichloroethene (TCE)	**23**	**0.1**	**ug/L**	
Trichlorofluoromethane	< 0.5	0.5	ug/L	
1,2,3-Trichloropropane	< 0.5	0.5	ug/L	
1,1,2-Trichlorotrifluoroethane	< 0.2	0.2	ug/L	
1,2,4-Trimethylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
1,3,5-Trimethylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Vinyl chloride	**6.2**	**0.2**	**ug/L**	
o-Xylene	< 0.2	0.2	ug/L	
p&m-Xylene	< 0.3	0.3	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514574 - 200514584

Date Received: **08-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514578** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
07-JUN-2005	**1440**	**p112**	-

Trip Blank	Field Blank
200514583	**200514582**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
168 VOCs in Water by GC/MS				09-JUN-05
4-Bromofluorobenzene (surrogate)	**95.2**	**70-130**	**%**	
1,2-Dichlorobenzene-D4 (surrogate)	**126**	**70-130**	**%**	
Acetone	< 20	20	ug/L	
Allyl chloride	< 0.5	0.5	ug/L	
Benzene	**0.3**	**0.2**	**ug/L**	
Bromobenzene	< 0.2	0.2	ug/L	
Bromochloromethane	< 0.5	0.5	ug/L	
Bromodichloromethane	< 0.2	0.2	ug/L	
Bromoform	< 0.5	0.5	ug/L	
Bromomethane	< 1.0	1.0	ug/L	
n-Butylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
sec-Butylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
tert-Butylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Carbon tetrachloride	< 0.2	0.2	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514574 - 200514584

Date Received: **08-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514578** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
07-JUN-2005	**1440**	**p112**	-

Trip Blank	Field Blank
200514583	**200514582**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS **(Cont.)**				09-JUN-05
Chlorobenzene	< 0.2	0.2	ug/L	
Chlorodibromomethane	< 0.5	0.5	ug/L	
Chloroethane	< 0.5	0.5	ug/L	
Chloroform	< 0.1	0.1	ug/L	
Chloromethane	< 1.0	1.0	ug/L	
2-Chlorotoluene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
4-Chlorotoluene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
1,2-Dibromo-3-chloropropane (DBCP)	< 2.0	2.0	ug/L	
1,2-Dibromoethane (EDB)	< 0.5	0.5	ug/L	
Dibromomethane	< 0.5	0.5	ug/L	
1,2-Dichlorobenzene	< 0.2	0.2	ug/L	
1,3-Dichlorobenzene	< 0.2	0.2	ug/L	
1,4-Dichlorobenzene	< 0.2	0.2	ug/L	
Dichlorodifluoromethane	< 1.0	1.0	ug/L	
1,1-Dichloroethane	< 0.2	0.2	ug/L	
1,2-Dichloroethane	**0.3**	**0.2**	**ug/L**	
1,1-Dichloroethene	**0.6**	**0.5**	**ug/L**	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514574 - 200514584

Date Received: **08-JUN-2005**
Date Generated: **24-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514578** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
07-JUN-2005	**1440**	**p112**	-

Trip Blank	Field Blank
200514583	**200514582**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS **(Cont.)**				09-JUN-05
cis-1,2-Dichloroethene	**2.6**	**0.2**	**ug/L**	
trans-1,2-Dichloroethene	< 0.1	0.1	ug/L	
Dichlorofluoromethane	< 0.5	0.5	ug/L	
1,2-Dichloropropane	< 0.2	0.2	ug/L	
1,3-Dichloropropane	< 0.2	0.2	ug/L	
2,2-Dichloropropane	< 0.5	0.5	ug/L	
1,1-Dichloropropene	< 0.2	0.2	ug/L	
cis-1,3-Dichloropropene	< 0.2	0.2	ug/L	
trans-1,3-Dichloropropene	< 0.2	0.2	ug/L	
Ethylbenzene	< 0.5	0.5	ug/L	
Ethyl ether	< 2.0	2.0	ug/L	
Hexachlorobutadiene	< 1.0	1.0	ug/L	
Isopropylbenzene	< 0.5	0.5	ug/L	
p-Isopropyltoluene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Methylene chloride	< 0.5	0.5	ug/L	
Methyl ethyl ketone (MEK)	< 10	10	ug/L	
Methyl isobutyl ketone (MIBK)	< 5.0	5.0	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				

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Program: **PL**
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Samples: 200514574 - 200514584

Date Received: **08-JUN-2005**
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Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514578** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
07-JUN-2005	**1440**	**p112**	-

Trip Blank	Field Blank
200514583	**200514582**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

	Result	**Rept Level**	**Units**	**Analysis Date**
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS **(Cont.)**				09-JUN-05
Methyl tertiary butyl ether (MTBE)	< 2.0	2.0	ug/L	
Naphthalene	< 1.0	1.0	ug/L	
n-Propylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Styrene	< 0.5	0.5	ug/L	
1,1,1,2-Tetrachloroethane	< 0.2	0.2	ug/L	
1,1,2,2-Tetrachloroethane	< 0.2	0.2	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Tetrachloroethene	< 0.2	0.2	ug/L	
Tetrahydrofuran (THF)	< 10	10	ug/L	
Toluene	< 0.5	0.5	ug/L	
1,2,3-Trichlorobenzene	< 1.0	1.0	ug/L	
1,2,4-Trichlorobenzene	< 0.5	0.5	ug/L	
1,1,1-Trichloroethane	< 0.2	0.2	ug/L	
1,1,2-Trichloroethane	< 0.2	0.2	ug/L	
Trichloroethene (TCE)	**0.3**	**0.1**	**ug/L**	
Trichlorofluoromethane	< 0.5	0.5	ug/L	
1,2,3-Trichloropropane	< 0.5	0.5	ug/L	
1,1,2-Trichlorotrifluoroethane	< 0.2	0.2	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514574 - 200514584

Date Received: **08-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514578** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
07-JUN-2005	**1440**	**p112**	-

Trip Blank	Field Blank
200514583	**200514582**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS **(Cont.)**				09-JUN-05
1,2,4-Trimethylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
1,3,5-Trimethylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Vinyl chloride	**3.5**	**0.2**	**ug/L**	
o-Xylene	< 0.2	0.2	ug/L	
p&m-Xylene	< 0.3	0.3	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514574 - 200514584

Date Received: **08-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514579** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
07-JUN-2005	**1545**	**p113**	-

Trip Blank	Field Blank
200514583	**200514582**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS				09-JUN-05
4-Bromofluorobenzene (surrogate)	**96.5**	**70-130**	**%**	
1,2-Dichlorobenzene-D4 (surrogate)	**128**	**70-130**	**%**	
Acetone	< 20	20	ug/L	
Allyl chloride	< 0.5	0.5	ug/L	
Benzene	**0.4**	**0.2**	**ug/L**	
Bromobenzene	< 0.2	0.2	ug/L	
Bromochloromethane	< 0.5	0.5	ug/L	
Bromodichloromethane	< 0.2	0.2	ug/L	
Bromoform	< 0.5	0.5	ug/L	
Bromomethane	< 1.0	1.0	ug/L	
n-Butylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
sec-Butylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
tert-Butylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Carbon tetrachloride	< 0.2	0.2	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514574 - 200514584

Date Received: **08-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514579** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
07-JUN-2005	**1545**	**p113**	-

Trip Blank	Field Blank
200514583	**200514582**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS **(Cont.)**				09-JUN-05
Chlorobenzene	< 0.2	0.2	ug/L	
Chlorodibromomethane	< 0.5	0.5	ug/L	
Chloroethane	< 0.5	0.5	ug/L	
Chloroform	< 0.1	0.1	ug/L	
Chloromethane	< 1.0	1.0	ug/L	
2-Chlorotoluene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
4-Chlorotoluene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
1,2-Dibromo-3-chloropropane (DBCP)	< 2.0	2.0	ug/L	
1,2-Dibromoethane (EDB)	< 0.5	0.5	ug/L	
Dibromomethane	< 0.5	0.5	ug/L	
1,2-Dichlorobenzene	< 0.2	0.2	ug/L	
1,3-Dichlorobenzene	< 0.2	0.2	ug/L	
1,4-Dichlorobenzene	< 0.2	0.2	ug/L	
Dichlorodifluoromethane	< 1.0	1.0	ug/L	
1,1-Dichloroethane	< 0.2	0.2	ug/L	
1,2-Dichloroethane	**0.3**	**0.2**	**ug/L**	
1,1-Dichloroethene	**0.9**	**0.5**	**ug/L**	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514574 - 200514584

Date Received: **08-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514579** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
07-JUN-2005	**1545**	**p113**	-

Trip Blank	Field Blank
200514583	**200514582**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS **(Cont.)**				09-JUN-05
cis-1,2-Dichloroethene	**3.5**	**0.2**	**ug/L**	
trans-1,2-Dichloroethene	< 0.1	0.1	ug/L	
Dichlorofluoromethane	< 0.5	0.5	ug/L	
1,2-Dichloropropane	< 0.2	0.2	ug/L	
1,3-Dichloropropane	< 0.2	0.2	ug/L	
2,2-Dichloropropane	< 0.5	0.5	ug/L	
1,1-Dichloropropene	< 0.2	0.2	ug/L	
cis-1,3-Dichloropropene	< 0.2	0.2	ug/L	
trans-1,3-Dichloropropene	< 0.2	0.2	ug/L	
Ethylbenzene	< 0.5	0.5	ug/L	
Ethyl ether	< 2.0	2.0	ug/L	
Hexachlorobutadiene	< 1.0	1.0	ug/L	
Isopropylbenzene	< 0.5	0.5	ug/L	
p-Isopropyltoluene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Methylene chloride	< 0.5	0.5	ug/L	
Methyl ethyl ketone (MEK)	< 10	10	ug/L	
Methyl isobutyl ketone (MIBK)	< 5.0	5.0	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514574 - 200514584

Date Received: **08-JUN-2005**
Date Generated: **24-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514579** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
07-JUN-2005	**1545**	**p113**	-

Trip Blank	Field Blank
200514583	**200514582**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS **(Cont.)**				09-JUN-05
Methyl tertiary butyl ether (MTBE)	< 2.0	2.0	ug/L	
Naphthalene	< 1.0	1.0	ug/L	
n-Propylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Styrene	< 0.5	0.5	ug/L	
1,1,1,2-Tetrachloroethane	< 0.2	0.2	ug/L	
1,1,2,2-Tetrachloroethane	< 0.2	0.2	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Tetrachloroethene	< 0.2	0.2	ug/L	
Tetrahydrofuran (THF)	< 10	10	ug/L	
Toluene	< 0.5	0.5	ug/L	
1,2,3-Trichlorobenzene	< 1.0	1.0	ug/L	
1,2,4-Trichlorobenzene	< 0.5	0.5	ug/L	
1,1,1-Trichloroethane	< 0.2	0.2	ug/L	
1,1,2-Trichloroethane	< 0.2	0.2	ug/L	
Trichloroethene (TCE)	**0.4**	**0.1**	**ug/L**	
Trichlorofluoromethane	< 0.5	0.5	ug/L	
1,2,3-Trichloropropane	< 0.5	0.5	ug/L	
1,1,2-Trichlorotrifluoroethane	< 0.2	0.2	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514574 - 200514584

Date Received: **08-JUN-2005**
Date Generated: **24-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514579** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
07-JUN-2005	**1545**	**p113**	-

Trip Blank	Field Blank
200514583	**200514582**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS **(Cont.)**				09-JUN-05
1,2,4-Trimethylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
1,3,5-Trimethylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Vinyl chloride	**4.7**	**0.2**	**ug/L**	
o-Xylene	< 0.2	0.2	ug/L	
p&m-Xylene	< 0.3	0.3	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514574 - 200514584

Date Received: **08-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514580** Receiving Comments: **-**

Coll Date	Coll Time	Field No	Sampling Point
07-JUN-2005	**1545**	**p58**	**-**

Trip Blank	Field Blank
200514583	**200514582**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

	Result	**Rept Level**	**Units**	**Analysis Date**
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS				09-JUN-05
4-Bromofluorobenzene (surrogate)	**97.8**	**70-130**	**%**	
1,2-Dichlorobenzene-D4 (surrogate)	**128**	**70-130**	**%**	
Acetone	< 20	20	ug/L	
Allyl chloride	< 0.5	0.5	ug/L	
Benzene	< 0.2	0.2	ug/L	
Bromobenzene	< 0.2	0.2	ug/L	
Bromochloromethane	< 0.5	0.5	ug/L	
Bromodichloromethane	< 0.2	0.2	ug/L	
Bromoform	< 0.5	0.5	ug/L	
Bromomethane	< 1.0	1.0	ug/L	
n-Butylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
sec-Butylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
tert-Butylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Carbon tetrachloride	< 0.2	0.2	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514574 - 200514584

Date Received: **08-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514580** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
07-JUN-2005	**1545**	**p58**	-

Trip Blank	Field Blank
200514583	**200514582**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS **(Cont.)**				09-JUN-05
Chlorobenzene	< 0.2	0.2	ug/L	
Chlorodibromomethane	< 0.5	0.5	ug/L	
Chloroethane	< 0.5	0.5	ug/L	
Chloroform	< 0.1	0.1	ug/L	
Chloromethane	< 1.0	1.0	ug/L	
2-Chlorotoluene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
4-Chlorotoluene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
1,2-Dibromo-3-chloropropane (DBCP)	< 2.0	2.0	ug/L	
1,2-Dibromoethane (EDB)	< 0.5	0.5	ug/L	
Dibromomethane	< 0.5	0.5	ug/L	
1,2-Dichlorobenzene	< 0.2	0.2	ug/L	
1,3-Dichlorobenzene	< 0.2	0.2	ug/L	
1,4-Dichlorobenzene	< 0.2	0.2	ug/L	
Dichlorodifluoromethane	< 1.0	1.0	ug/L	
1,1-Dichloroethane	< 0.2	0.2	ug/L	
1,2-Dichloroethane	< 0.2	0.2	ug/L	
1,1-Dichloroethene	< 0.5	0.5	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514574 - 200514584

Date Received: **08-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514580** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
07-JUN-2005	**1545**	**p58**	-

Trip Blank	Field Blank
200514583	**200514582**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

Note: Positive Organic Results are indicated by BOLD.

	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS **(Cont.)**				09-JUN-05
cis-1,2-Dichloroethene	< 0.2	0.2	ug/L	
trans-1,2-Dichloroethene	< 0.1	0.1	ug/L	
Dichlorofluoromethane	< 0.5	0.5	ug/L	
1,2-Dichloropropane	< 0.2	0.2	ug/L	
1,3-Dichloropropane	< 0.2	0.2	ug/L	
2,2-Dichloropropane	< 0.5	0.5	ug/L	
1,1-Dichloropropene	< 0.2	0.2	ug/L	
cis-1,3-Dichloropropene	< 0.2	0.2	ug/L	
trans-1,3-Dichloropropene	< 0.2	0.2	ug/L	
Ethylbenzene	< 0.5	0.5	ug/L	
Ethyl ether	< 2.0	2.0	ug/L	
Hexachlorobutadiene	< 1.0	1.0	ug/L	
Isopropylbenzene	< 0.5	0.5	ug/L	
p-Isopropyltoluene	< 0.5	0.5	ug/L	

The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.

Methylene chloride	< 0.5	0.5	ug/L	
Methyl ethyl ketone (MEK)	< 10	10	ug/L	
Methyl isobutyl ketone (MIBK)	< 5.0	5.0	ug/L	

The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.

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Program: **PL**
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Samples: 200514574 - 200514584

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Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514580** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
07-JUN-2005	**1545**	**p58**	-

Trip Blank	Field Blank
200514583	**200514582**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS **(Cont.)**				09-JUN-05
Methyl tertiary butyl ether (MTBE)	< 2.0	2.0	ug/L	
Naphthalene	< 1.0	1.0	ug/L	
n-Propylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Styrene	< 0.5	0.5	ug/L	
1,1,1,2-Tetrachloroethane	< 0.2	0.2	ug/L	
1,1,2,2-Tetrachloroethane	< 0.2	0.2	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Tetrachloroethene	< 0.2	0.2	ug/L	
Tetrahydrofuran (THF)	< 10	10	ug/L	
Toluene	< 0.5	0.5	ug/L	
1,2,3-Trichlorobenzene	< 1.0	1.0	ug/L	
1,2,4-Trichlorobenzene	< 0.5	0.5	ug/L	
1,1,1-Trichloroethane	< 0.2	0.2	ug/L	
1,1,2-Trichloroethane	< 0.2	0.2	ug/L	
Trichloroethene (TCE)	< 0.1	0.1	ug/L	
Trichlorofluoromethane	< 0.5	0.5	ug/L	
1,2,3-Trichloropropane	< 0.5	0.5	ug/L	
1,1,2-Trichlorotrifluoroethane	< 0.2	0.2	ug/L	

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Program: **PL**
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Samples: 200514574 - 200514584

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Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514580** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
07-JUN-2005	**1545**	**p58**	-

Trip Blank	Field Blank
200514583	**200514582**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS **(Cont.)**				09-JUN-05
1,2,4-Trimethylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
1,3,5-Trimethylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Vinyl chloride	< 0.2	0.2	ug/L	
o-Xylene	< 0.2	0.2	ug/L	
p&m-Xylene	< 0.3	0.3	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514574 - 200514584

Date Received: **08-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514581** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
08-JUN-2005	**1015**	**p9**	-

Trip Blank	Field Blank
200514583	**200514582**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS				09-JUN-05
4-Bromofluorobenzene (surrogate)	**95.4**	**70-130**	**%**	
1,2-Dichlorobenzene-D4 (surrogate)	**126**	**70-130**	**%**	
Acetone	< 20	20	ug/L	
Allyl chloride	< 0.5	0.5	ug/L	
Benzene	< 0.2	0.2	ug/L	
Bromobenzene	< 0.2	0.2	ug/L	
Bromochloromethane	< 0.5	0.5	ug/L	
Bromodichloromethane	< 0.2	0.2	ug/L	
Bromoform	< 0.5	0.5	ug/L	
Bromomethane	< 1.0	1.0	ug/L	
n-Butylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
sec-Butylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
tert-Butylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Carbon tetrachloride	< 0.2	0.2	ug/L	

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Program: **PL**
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Samples: 200514574 - 200514584

Date Received: **08-JUN-2005**
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Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514581** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
08-JUN-2005	**1015**	**p9**	-

Trip Blank	Field Blank
200514583	**200514582**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS **(Cont.)**				09-JUN-05
Chlorobenzene	< 0.2	0.2	ug/L	
Chlorodibromomethane	< 0.5	0.5	ug/L	
Chloroethane	< 0.5	0.5	ug/L	
Chloroform	< 0.1	0.1	ug/L	
Chloromethane	< 1.0	1.0	ug/L	
2-Chlorotoluene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
4-Chlorotoluene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
1,2-Dibromo-3-chloropropane (DBCP)	< 2.0	2.0	ug/L	
1,2-Dibromoethane (EDB)	< 0.5	0.5	ug/L	
Dibromomethane	< 0.5	0.5	ug/L	
1,2-Dichlorobenzene	< 0.2	0.2	ug/L	
1,3-Dichlorobenzene	< 0.2	0.2	ug/L	
1,4-Dichlorobenzene	< 0.2	0.2	ug/L	
Dichlorodifluoromethane	< 1.0	1.0	ug/L	
1,1-Dichloroethane	< 0.2	0.2	ug/L	
1,2-Dichloroethane	< 0.2	0.2	ug/L	
1,1-Dichloroethene	< 0.5	0.5	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514574 - 200514584

Date Received: **08-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514581** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
08-JUN-2005	**1015**	**p9**	-

Trip Blank	Field Blank
200514583	**200514582**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS **(Cont.)**				09-JUN-05
cis-1,2-Dichloroethene	< 0.2	0.2	ug/L	
trans-1,2-Dichloroethene	< 0.1	0.1	ug/L	
Dichlorofluoromethane	< 0.5	0.5	ug/L	
1,2-Dichloropropane	< 0.2	0.2	ug/L	
1,3-Dichloropropane	< 0.2	0.2	ug/L	
2,2-Dichloropropane	< 0.5	0.5	ug/L	
1,1-Dichloropropene	< 0.2	0.2	ug/L	
cis-1,3-Dichloropropene	< 0.2	0.2	ug/L	
trans-1,3-Dichloropropene	< 0.2	0.2	ug/L	
Ethylbenzene	< 0.5	0.5	ug/L	
Ethyl ether	< 2.0	2.0	ug/L	
Hexachlorobutadiene	< 1.0	1.0	ug/L	
Isopropylbenzene	< 0.5	0.5	ug/L	
p-Isopropyltoluene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Methylene chloride	< 0.5	0.5	ug/L	
Methyl ethyl ketone (MEK)	< 10	10	ug/L	
Methyl isobutyl ketone (MIBK)	< 5.0	5.0	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514574 - 200514584

Date Received: **08-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514581** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
08-JUN-2005	**1015**	**p9**	-

Trip Blank	Field Blank
200514583	**200514582**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS **(Cont.)**				09-JUN-05
Methyl tertiary butyl ether (MTBE)	< 2.0	2.0	ug/L	
Naphthalene	< 1.0	1.0	ug/L	
n-Propylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Styrene	< 0.5	0.5	ug/L	
1,1,1,2-Tetrachloroethane	< 0.2	0.2	ug/L	
1,1,2,2-Tetrachloroethane	< 0.2	0.2	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Tetrachloroethene	< 0.2	0.2	ug/L	
Tetrahydrofuran (THF)	< 10	10	ug/L	
Toluene	< 0.5	0.5	ug/L	
1,2,3-Trichlorobenzene	< 1.0	1.0	ug/L	
1,2,4-Trichlorobenzene	< 0.5	0.5	ug/L	
1,1,1-Trichloroethane	< 0.2	0.2	ug/L	
1,1,2-Trichloroethane	< 0.2	0.2	ug/L	
Trichloroethene (TCE)	< 0.1	0.1	ug/L	
Trichlorofluoromethane	< 0.5	0.5	ug/L	
1,2,3-Trichloropropane	< 0.5	0.5	ug/L	
1,1,2-Trichlorotrifluoroethane	< 0.2	0.2	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514574 - 200514584

Date Received: **08-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514581** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
08-JUN-2005	**1015**	**p9**	-

Trip Blank	Field Blank
200514583	**200514582**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS **(Cont.)**				09-JUN-05
1,2,4-Trimethylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
1,3,5-Trimethylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Vinyl chloride	< 0.2	0.2	ug/L	
o-Xylene	< 0.2	0.2	ug/L	
p&m-Xylene	< 0.3	0.3	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514574 - 200514584

Date Received: **08-JUN-2005**
Date Generated: **24-JUN-2005**
Request Page: **39 of 51**

Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514582** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
08-JUN-2005	**1050**	**field blan**	-

Trip Blank	Field Blank
200514583	**200514582**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS				09-JUN-05
4-Bromofluorobenzene (surrogate)	**94.8**	**70-130**	**%**	
1,2-Dichlorobenzene-D4 (surrogate)	**125**	**70-130**	**%**	
Acetone	< 20	20	ug/L	
Allyl chloride	< 0.5	0.5	ug/L	
Benzene	< 0.2	0.2	ug/L	
Bromobenzene	< 0.2	0.2	ug/L	
Bromochloromethane	< 0.5	0.5	ug/L	
Bromodichloromethane	< 0.2	0.2	ug/L	
Bromoform	< 0.5	0.5	ug/L	
Bromomethane	< 1.0	1.0	ug/L	
n-Butylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
sec-Butylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
tert-Butylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Carbon tetrachloride	< 0.2	0.2	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514574 - 200514584

Date Received: **08-JUN-2005**
Date Generated: **24-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514582** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
08-JUN-2005	**1050**	**field blan**	-

Trip Blank	Field Blank
200514583	**200514582**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

Note: Positive Organic Results are indicated by BOLD.

	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS **(Cont.)**				09-JUN-05
Chlorobenzene	< 0.2	0.2	ug/L	
Chlorodibromomethane	< 0.5	0.5	ug/L	
Chloroethane	< 0.5	0.5	ug/L	
Chloroform	**0.1**	**0.1**	**ug/L**	
Chloromethane	< 1.0	1.0	ug/L	
2-Chlorotoluene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
4-Chlorotoluene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
1,2-Dibromo-3-chloropropane (DBCP)	< 2.0	2.0	ug/L	
1,2-Dibromoethane (EDB)	< 0.5	0.5	ug/L	
Dibromomethane	< 0.5	0.5	ug/L	
1,2-Dichlorobenzene	< 0.2	0.2	ug/L	
1,3-Dichlorobenzene	< 0.2	0.2	ug/L	
1,4-Dichlorobenzene	< 0.2	0.2	ug/L	
Dichlorodifluoromethane	< 1.0	1.0	ug/L	
1,1-Dichloroethane	< 0.2	0.2	ug/L	
1,2-Dichloroethane	< 0.2	0.2	ug/L	
1,1-Dichloroethene	< 0.5	0.5	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514574 - 200514584

Date Received: **08-JUN-2005**
Date Generated: **24-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514582** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
08-JUN-2005	**1050**	**field blan**	-

Trip Blank	Field Blank
200514583	**200514582**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

Note: Positive Organic Results are indicated by BOLD.

	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS **(Cont.)**				09-JUN-05
cis-1,2-Dichloroethene	< 0.2	0.2	ug/L	
trans-1,2-Dichloroethene	< 0.1	0.1	ug/L	
Dichlorofluoromethane	< 0.5	0.5	ug/L	
1,2-Dichloropropane	< 0.2	0.2	ug/L	
1,3-Dichloropropane	< 0.2	0.2	ug/L	
2,2-Dichloropropane	< 0.5	0.5	ug/L	
1,1-Dichloropropene	< 0.2	0.2	ug/L	
cis-1,3-Dichloropropene	< 0.2	0.2	ug/L	
trans-1,3-Dichloropropene	< 0.2	0.2	ug/L	
Ethylbenzene	< 0.5	0.5	ug/L	
Ethyl ether	< 2.0	2.0	ug/L	
Hexachlorobutadiene	< 1.0	1.0	ug/L	
Isopropylbenzene	< 0.5	0.5	ug/L	
p-Isopropyltoluene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Methylene chloride	< 0.5	0.5	ug/L	
Methyl ethyl ketone (MEK)	< 10	10	ug/L	
Methyl isobutyl ketone (MIBK)	< 5.0	5.0	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514574 - 200514584

Date Received: **08-JUN-2005**
Date Generated: **24-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514582** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
08-JUN-2005	**1050**	**field blan**	-

Trip Blank	Field Blank
200514583	**200514582**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

Note: Positive Organic Results are indicated by BOLD.

	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS **(Cont.)**				09-JUN-05
Methyl tertiary butyl ether (MTBE)	< 2.0	2.0	ug/L	
Naphthalene	< 1.0	1.0	ug/L	
n-Propylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Styrene	< 0.5	0.5	ug/L	
1,1,1,2-Tetrachloroethane	< 0.2	0.2	ug/L	
1,1,2,2-Tetrachloroethane	< 0.2	0.2	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Tetrachloroethene	< 0.2	0.2	ug/L	
Tetrahydrofuran (THF)	< 10	10	ug/L	
Toluene	< 0.5	0.5	ug/L	
1,2,3-Trichlorobenzene	< 1.0	1.0	ug/L	
1,2,4-Trichlorobenzene	< 0.5	0.5	ug/L	
1,1,1-Trichloroethane	< 0.2	0.2	ug/L	
1,1,2-Trichloroethane	< 0.2	0.2	ug/L	
Trichloroethene (TCE)	< 0.1	0.1	ug/L	
Trichlorofluoromethane	< 0.5	0.5	ug/L	
1,2,3-Trichloropropane	< 0.5	0.5	ug/L	
1,1,2-Trichlorotrifluoroethane	< 0.2	0.2	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514574 - 200514584

Date Received: **08-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514582** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
08-JUN-2005	**1050**	**field blan**	-

Trip Blank	Field Blank
200514583	**200514582**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS **(Cont.)**				09-JUN-05
1,2,4-Trimethylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
1,3,5-Trimethylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Vinyl chloride	< 0.2	0.2	ug/L	
o-Xylene	< 0.2	0.2	ug/L	
p&m-Xylene	< 0.3	0.3	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514574 - 200514584

Date Received: **08-JUN-2005**
Date Generated: **24-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514583** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
-	-	**trip blank**	-

Trip Blank	Field Blank
200514583	**200514582**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

Note: Positive Organic Results are indicated by BOLD.

	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS				09-JUN-05
4-Bromofluorobenzene (surrogate)	**96.5**	**70-130**	**%**	
1,2-Dichlorobenzene-D4 (surrogate)	**127**	**70-130**	**%**	
Acetone	< 20	20	ug/L	
Allyl chloride	< 0.5	0.5	ug/L	
Benzene	< 0.2	0.2	ug/L	
Bromobenzene	< 0.2	0.2	ug/L	
Bromochloromethane	< 0.5	0.5	ug/L	
Bromodichloromethane	< 0.2	0.2	ug/L	
Bromoform	< 0.5	0.5	ug/L	
Bromomethane	< 1.0	1.0	ug/L	
n-Butylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
sec-Butylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
tert-Butylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Carbon tetrachloride	< 0.2	0.2	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514574 - 200514584

Date Received: **08-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514583** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
-	-	**trip blank**	-

Trip Blank	Field Blank
200514583	**200514582**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS **(Cont.)**				09-JUN-05
Chlorobenzene	< 0.2	0.2	ug/L	
Chlorodibromomethane	< 0.5	0.5	ug/L	
Chloroethane	< 0.5	0.5	ug/L	
Chloroform	< 0.1	0.1	ug/L	
Chloromethane	< 1.0	1.0	ug/L	
2-Chlorotoluene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
4-Chlorotoluene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
1,2-Dibromo-3-chloropropane (DBCP)	< 2.0	2.0	ug/L	
1,2-Dibromoethane (EDB)	< 0.5	0.5	ug/L	
Dibromomethane	< 0.5	0.5	ug/L	
1,2-Dichlorobenzene	< 0.2	0.2	ug/L	
1,3-Dichlorobenzene	< 0.2	0.2	ug/L	
1,4-Dichlorobenzene	< 0.2	0.2	ug/L	
Dichlorodifluoromethane	< 1.0	1.0	ug/L	
1,1-Dichloroethane	< 0.2	0.2	ug/L	
1,2-Dichloroethane	< 0.2	0.2	ug/L	
1,1-Dichloroethene	< 0.5	0.5	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514574 - 200514584

Date Received: **08-JUN-2005**
Date Generated: **24-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514583** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
-	-	**trip blank**	-

Trip Blank	Field Blank
200514583	**200514582**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

Note: Positive Organic Results are indicated by BOLD.

		Result	Rept Level	Units	Analysis Date
468	VOCs in Water by GC/MS **(Cont.)**				09-JUN-05
	cis-1,2-Dichloroethene	< 0.2	0.2	ug/L	
	trans-1,2-Dichloroethene	< 0.1	0.1	ug/L	
	Dichlorofluoromethane	< 0.5	0.5	ug/L	
	1,2-Dichloropropane	< 0.2	0.2	ug/L	
	1,3-Dichloropropane	< 0.2	0.2	ug/L	
	2,2-Dichloropropane	< 0.5	0.5	ug/L	
	1,1-Dichloropropene	< 0.2	0.2	ug/L	
	cis-1,3-Dichloropropene	< 0.2	0.2	ug/L	
	trans-1,3-Dichloropropene	< 0.2	0.2	ug/L	
	Ethylbenzene	< 0.5	0.5	ug/L	
	Ethyl ether	< 2.0	2.0	ug/L	
	Hexachlorobutadiene	< 1.0	1.0	ug/L	
	Isopropylbenzene	< 0.5	0.5	ug/L	
	p-Isopropyltoluene	< 0.5	0.5	ug/L	
	The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
	Methylene chloride	< 0.5	0.5	ug/L	
	Methyl ethyl ketone (MEK)	< 10	10	ug/L	
	Methyl isobutyl ketone (MIBK)	< 5.0	5.0	ug/L	
	The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				

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Program: **PL**
Program Name: ***MPCA-32 METRO MERLA-SF***

Samples: 200514574 - 200514584

Date Received: **08-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514583** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
-	-	**trip blank**	-

Trip Blank	Field Blank
200514583	**200514582**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

Note: Positive Organic Results are indicated by BOLD.

	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS **(Cont.)**				09-JUN-05
Methyl tertiary butyl ether (MTBE)	< 2.0	2.0	ug/L	
Naphthalene	< 1.0	1.0	ug/L	
n-Propylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Styrene	< 0.5	0.5	ug/L	
1,1,1,2-Tetrachloroethane	< 0.2	0.2	ug/L	
1,1,2,2-Tetrachloroethane	< 0.2	0.2	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Tetrachloroethene	< 0.2	0.2	ug/L	
Tetrahydrofuran (THF)	< 10	10	ug/L	
Toluene	< 0.5	0.5	ug/L	
1,2,3-Trichlorobenzene	< 1.0	1.0	ug/L	
1,2,4-Trichlorobenzene	< 0.5	0.5	ug/L	
1,1,1-Trichloroethane	< 0.2	0.2	ug/L	
1,1,2-Trichloroethane	< 0.2	0.2	ug/L	
Trichloroethene (TCE)	< 0.1	0.1	ug/L	
Trichlorofluoromethane	< 0.5	0.5	ug/L	
1,2,3-Trichloropropane	< 0.5	0.5	ug/L	
1,1,2-Trichlorotrifluoroethane	< 0.2	0.2	ug/L	

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514574 - 200514584

Date Received: **08-JUN-2005**
Date Generated: **24-JUN-2005**
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Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514583** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
-	-	**trip blank**	-

Trip Blank	Field Blank
200514583	**200514582**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

	Result	**Rept Level**	**Units**	**Analysis Date**
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS **(Cont.)**				09-JUN-05
1,2,4-Trimethylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
1,3,5-Trimethylbenzene	< 0.5	0.5	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				
Vinyl chloride	< 0.2	0.2	ug/L	
o-Xylene	< 0.2	0.2	ug/L	
p&m-Xylene	< 0.3	0.3	ug/L	
The spike recoveries for this target analyte did not meet the QC acceptance criteria in the MS/MSD. Since the recoveries showed a positive bias and the target analyte was not detected in the sample, the datum was accepted without qualification.				

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514574 - 200514584

Date Received: **08-JUN-2005**
Date Generated: **24-JUN-2005**
Request Page: **49 of 51**
Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514584** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
-	-	**p304 msd**	-

Trip Blank	Field Blank
200514583	**200514582**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

	Result	Rept Level	Units	Analysis Date
Note: Positive Organic Results are indicated by BOLD.				
468 VOCs in Water by GC/MS				18-JUN-05
4-Bromofluorobenzene (surrogate)	**80.5**	**70-130**	**%**	
1,2-Dichloroethane-D4 (surrogate)	**93.3**	**70-130**	**%**	
Dibromofluoromethane (surrogate)	**110**	**70-130**	**%**	
Toluene-d8 (surrogate)	**109**	**70-130**	**%**	
Acetone	**123**	**10**	**%**	
Allyl chloride	**84**	**2.5**	**%**	
Benzene	**95**	**1.0**	**%**	
Bromobenzene	**91**	**1.0**	**%**	
Bromochloromethane	**70**	**2.5**	**%**	
Bromodichloromethane	**83**	**1.0**	**%**	
Bromoform	**79**	**2.5**	**%**	
Bromomethane	**70**	**10**	**%**	
n-Butylbenzene	**141**	**2.5**	**%**	
sec-Butylbenzene	**132**	**2.5**	**%**	
tert-Butylbenzene	**126**	**2.5**	**%**	
Carbon tetrachloride	**87**	**1.0**	**%**	
Chlorobenzene	**111**	**1.0**	**%**	
Chlorodibromomethane	**102**	**2.5**	**%**	
Chloroethane	**98**	**2.5**	**%**	
Chloroform	**86**	**0.5**	**%**	
Chloromethane	**102**	**5.0**	**%**	
2-Chlorotoluene	**130**	**2.5**	**%**	
4-Chlorotoluene	**123**	**2.5**	**%**	
1,2-Dibromo-3-chloropropane (DBCP)	**124**	**10**	**%**	

Minnesota Department Of Health - Environmental Laboratory

Amended Report - Client Copy - Report Of Analytical Results

Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514574 - 200514584

Date Received: **08-JUN-2005**
Date Generated: **24-JUN-2005**
Request Page: **50 of 51**

Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514584** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
-	-	**p304 msd**	-

Trip Blank	Field Blank
200514583	**200514582**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

Note: Positive Organic Results are indicated by BOLD.

		Result	Rept Level	Units	Analysis Date
468	VOCs in Water by GC/MS **(Cont.)**				18-JUN-05
	1,2-Dibromoethane (EDB)	118	2.5	%	
	Dibromomethane	83	2.5	%	
	1,2-Dichlorobenzene	110	1.0	%	
	1,3-Dichlorobenzene	121	1.0	%	
	1,4-Dichlorobenzene	109	1.0	%	
	Dichlorodifluoromethane	102	10	%	
	1,1-Dichloroethane	97	1.0	%	
	1,2-Dichloroethane	92	1.0	%	
	1,1-Dichloroethene	95	2.5	%	
	cis-1,2-Dichloroethene	87	1.0	%	
	trans-1,2-Dichloroethene	87	0.5	%	
	Dichlorofluoromethane	100	2.5	%	
	1,2-Dichloropropane	101	1.0	%	
	1,3-Dichloropropane	129	1.0	%	
	2,2-Dichloropropane	80	2.5	%	
	1,1-Dichloropropene	91	1.0	%	
	cis-1,3-Dichloropropene	109	1.0	%	
	trans-1,3-Dichloropropene	110	1.0	%	
	Ethylbenzene	126	2.5	%	
	Ethyl ether	91	10	%	
	Hexachlorobutadiene	85	10	%	
	Isopropylbenzene	115	2.5	%	
	p-Isopropyltoluene	131	2.5	%	
	Methylene chloride	83	2.5	%	

Minnesota Department Of Health - Environmental Laboratory

Amended Report - Client Copy - Report Of Analytical Results

Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**

Samples: 200514574 - 200514584

Date Received: **08-JUN-2005**
Date Generated: **24-JUN-2005**
Request Page: **51 of 51**

Date Reported: **24-JUN-2005**
Original Date Reported: **16-JUN-2005**

Site ID	Project Name	Sampled By
-	**EDINA WELL EVALUATION**	**mathew beckman**

Sample No: **200514584** Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
-	-	**p304 msd**	-

Trip Blank	Field Blank
200514583	**200514582**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **16-JUN-05**

Note: Positive Organic Results are indicated by BOLD.

	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS **(Cont.)**				18-JUN-05
Methyl ethyl ketone (MEK)	121	10	%	
Methyl isobutyl ketone (MIBK)	148	10	%	
Methyl tertiary butyl ether (MTBE)	97	10	%	
Naphthalene	125	5.0	%	
n-Propylbenzene	136	2.5	%	
Styrene	121	2.5	%	
1,1,1,2-Tetrachloroethane	103	1.0	%	
1,1,2,2-Tetrachloroethane	127	1.0	%	
Tetrachloroethene	72	1.0	%	
Tetrahydrofuran (THF)	118	10	%	
Toluene	124	2.5	%	
1,2,3-Trichlorobenzene	117	5.0	%	
1,2,4-Trichlorobenzene	98	2.5	%	
1,1,1-Trichloroethane	88	1.0	%	
1,1,2-Trichloroethane	126	1.0	%	
Trichloroethene (TCE)	83	0.5	%	
Trichlorofluoromethane	103	2.5	%	
1,2,3-Trichloropropane	122	2.5	%	
1,1,2-Trichlorotrifluoroethane	89	1.0	%	
1,2,4-Trimethylbenzene	143	2.5	%	
1,3,5-Trimethylbenzene	138	2.5	%	
Vinyl chloride	114	1.0	%	
o-Xylene	118	1.0	%	
p&m-Xylene	124	2.0	%	

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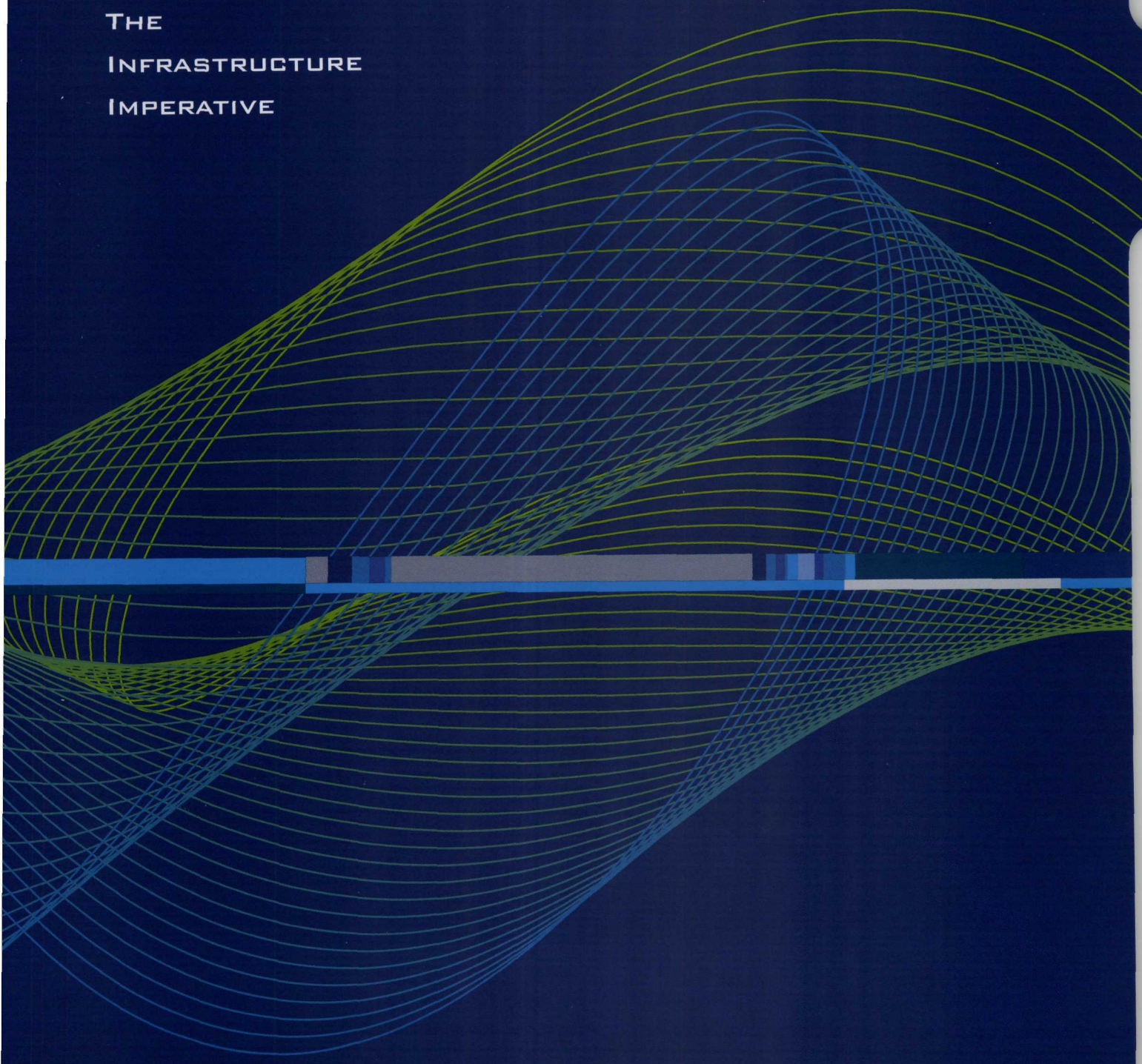

SAMPLING INFORMATION FORM

STS Consultants, Ltd.
10900 - 73rd Avenue North, Suite 150
Maple Grove, MN 55369

Sampler's Name: Mathew Beckman
Weather: Sunny/70's
Unusual Conditions
Project Edina Well 7 Study
Location St. Louis Park, MN
STS project number 99613 - XA
Sample ID number W22 Date sampled 6/3/05
Time 0840 am X pm
Describe sampling point
Unique Well Number 00200993

MONITORING WELL INFORMATION: (If Applicable)

Monitoring point elevation = 895 Datum = Water elevation =
Well depth (prior to sampling) = 31 feet below monitoring point (mp)
Depth to water (below mp) = 12.88 feet Date 6/3/05 Time 0805 am X pm
Well diameter = 4 inches Water level above screen? No Yes feet
Volume of water in well = gallons

PURGING INFORMATION:

Purging method: Bailer Submersible pump Tap Other
Tubing type: Teflon Black poly Other
Pump intake or bailer set at feet below monitoring point (mp).
Discharge rate (if applicable) gpm x 0.1336806 = cfm
At least well volumes evacuated before sampling, totaling gallons.

SAMPLING INFORMATION

Sampling method: Bailer Tap Other X – Century Discrete Sampler
Tubing type (if applicable): Teflon Other
Bailer was: Disposable Laboratory cleaned Field cleaned X Other
Sample collected from 25 feet below monitoring point. (mp)
Sample collection discharge rate (if applicable): = gpm
Sample appearance Clear Odor None observed
Note any sampling observations if necessary

Chemical Analysis Low Level VOC
Equipment Calibration

FIELD STABILIZATION

Military time	pH	Redox Pot.	Temperature corrected conductance [ms/cm]	Temperature [°C]	Water Level (nearest 0.01 ft.)	Cumulative volume of water removed [gal.]

SAMPLING INFORMATION FORM

STS Consultants, Ltd.
10900 - 73rd Avenue North, Suite 150
Maple Grove, MN 55369

Sampler's Name: Mathew Beckman
Weather: Hazy/Warm 70's
Unusual Conditions
Project Edina Well 7 Study
Location St. Louis Park, MN
STS project number 99613 - XA
Sample ID number W9 Date sampled 6/3/05 Time 0930 am X pm
Describe sampling point
Unique Well Number 00216037

MONITORING WELL INFORMATION: (If Applicable)

Monitoring point elevation = 890 Datum = Water elevation =
Well depth (prior to sampling) = 25 feet below monitoring point (mp)
Depth to water (below mp) = 9.00 feet Date 6/3/05 Time 0905 am X pm
Well diameter = 4 inches Water level above screen? No Yes feet
Volume of water in well = gallons

PURGING INFORMATION:

Purging method: Bailer Submersible pump Tap Other
Tubing type: Teflon Black poly Other
Pump intake or bailer set at feet below monitoring point (mp).
Discharge rate (if applicable) gpm x 0.1336806 = cfm
At least well volumes evacuated before sampling, totaling gallons.

SAMPLING INFORMATION

Sampling method: Bailer Tap Other X – Century Discrete Sampler
Tubing type (if applicable): Teflon Other
Bailer was: Disposable Laboratory cleaned Field cleaned X Other
Sample collected from 20 feet below monitoring point. (mp)
Sample collection discharge rate (if applicable): = gpm
Sample appearance Clear Odor None observed
Note any sampling observations if necessary

Chemical Analysis Low Level VOC
Equipment Calibration

FIELD STABILIZATION

Military time	pH	Redox Pot.	Temperature corrected conductance [ms/cm]	Temperature [°C]	Water Level (nearest 0.01 ft.)	Cumulative volume of water removed [gal.]

SAMPLING INFORMATION FORM

STS Consultants, Ltd.
10900 - 73rd Avenue North, Suite 150
Maple Grove, MN 55369

Sampler's Name: Mathew Beckman
Unusual Conditions
Location St. Louis Park, MN
Sample ID number W16 Date sampled 6/3/05
Describe sampling point
Unique Well Number 00216044

Weather: Hazy/Breezy 80's
Project Edina Well 7 Study
STS project number 99613 - XA
Time 1050 am X pm

MONITORING WELL INFORMATION: (If Applicable)

Monitoring point elevation = 891 Datum = Water elevation =
Well depth (prior to sampling) = 63 feet below monitoring point (mp)
Depth to water (below mp) = 10.63 feet Date 6/3/05 Time 1000 am X pm
Well diameter = 4 inches Water level above screen? No Yes feet
Volume of water in well = gallons

PURGING INFORMATION:

Purging method: Bailer Submersible pump Tap Other
Tubing type: Teflon Black poly Other
Pump intake or bailer set at feet below monitoring point (mp).
Discharge rate (if applicable) gpm x 0.1336806 = cfm
At least well volumes evacuated before sampling, totaling gallons.

SAMPLING INFORMATION

Sampling method: Bailer Tap Other X – Century Discrete Sampler
Tubing type (if applicable): Teflon Other
Bailer was: Disposable Laboratory cleaned Field cleaned X Other
Sample collected from 58 feet below monitoring point. (mp)
Sample collection discharge rate (if applicable): = gpm
Sample appearance Clear Odor None observed
Note any sampling observations if necessary Duplicate sample W17 prepared @ 1340 & field blank prepared @ 1100

Chemical Analysis Low Level VOC
Equipment Calibration

FIELD STABILIZATION

Military time	pH	Redox Pot.	Temperature corrected conductance [ms/cm]	Temperature [°C]	Water Level (nearest 0.01 ft.)	Cumulative volume of water removed [gal.]

SAMPLING INFORMATION FORM

STS Consultants, Ltd.
10900 - 73rd Avenue North, Suite 150
Maple Grove, MN 55369

Sampler's Name: Mathew Beckman
Unusual Conditions
Location St. Louis Park, MN
Sample ID number W10 Date sampled 6/3/05
Describe sampling point
Unique Well Number 00216038

Weather: Cloudy/Breezy 80's
Project Edina Well 7 Study
STS project number 99613 - XA
Time 1150 am X pm

MONITORING WELL INFORMATION: (If Applicable)

Monitoring point elevation = 891 Datum = Water elevation =
Well depth (prior to sampling) = 7.91 feet below monitoring point (mp)
Depth to water (below mp) = 28 feet Date 6/3/05 Time 1115 am X pm
Well diameter = 4 inches Water level above screen? No Yes feet
Volume of water in well = gallons

PURGING INFORMATION:

Purging method: Bailer Submersible pump Tap Other
Tubing type: Teflon Black poly Other
Pump intake or bailer set at feet below monitoring point (mp).
Discharge rate (if applicable) gpm x 0.1336806 = cfm
At least well volumes evacuated before sampling, totaling gallons.

SAMPLING INFORMATION

Sampling method: Bailer Tap Other X – Century Discrete Sampler
Tubing type (if applicable): Teflon Other
Bailer was: Disposable Laboratory cleaned Field cleaned X Other
Sample collected from 20 feet below monitoring point. (mp)
Sample collection discharge rate (if applicable): = gpm
Sample appearance Clear Odor None observed
Note any sampling observations if necessary

Chemical Analysis Low Level VOC
Equipment Calibration

FIELD STABILIZATION

Military time	pH	Redox Pot.	Temperature corrected conductance [ms/cm]	Temperature [°C]	Water Level (nearest 0.01 ft.)	Cumulative volume of water removed [gal.]

SAMPLING INFORMATION FORM

STS Consultants, Ltd.
10900 - 73rd Avenue North, Suite 150
Maple Grove, MN 55369

Sampler's Name: Mathew Beckman
Weather: Cloudy/Breezy 80's
Unusual Conditions
Project Edina Well 7 Study
Location St. Louis Park, MN
STS project number 99613 - XA
Sample ID number W21 Date sampled 6/3/05 Time 1230 am pm X
Describe sampling point
Unique Well Number 00216049

MONITORING WELL INFORMATION: (If Applicable)

Monitoring point elevation = 892 Datum = Water elevation =
Well depth (prior to sampling) = 61 feet below monitoring point (mp)
Depth to water (below mp) = 25.81 feet Date 6/3/05 Time 1148 am X pm
Well diameter = 4 inches Water level above screen? No Yes feet
Volume of water in well = gallons

PURGING INFORMATION:

Purging method: Bailer Submersible pump Tap Other
Tubing type: Teflon Black poly Other
Pump intake or bailer set at feet below monitoring point (mp).
Discharge rate (if applicable) gpm x 0.1336806 = cfm
At least well volumes evacuated before sampling, totaling gallons.

SAMPLING INFORMATION

Sampling method: Bailer Tap Other X – Century Discrete Sampler
Tubing type (if applicable): Teflon Other
Bailer was: Disposable Laboratory cleaned Field cleaned X Other
Sample collected from 56 feet below monitoring point. (mp)
Sample collection discharge rate (if applicable): = gpm
Sample appearance Clear Odor None observed
Note any sampling observations if necessary 9 vials prepared for MS/MSD

Chemical Analysis Low Level VOC
Equipment Calibration

FIELD STABILIZATION

Military time	pH	Redox Pot.	Temperature corrected conductance [ms/cm]	Temperature [°C]	Water Level (nearest 0.01 ft.)	Cumulative volume of water removed [gal.]

SAMPLING INFORMATION FORM

STS Consultants, Ltd.
10900 - 73rd Avenue North, Suite 150
Maple Grove, MN 55369

Sampler's Name: Mathew Beckman
Unusual Conditions
Location St. Louis Park, MN
Sample ID number Monitor Well W-18 Date sampled 6/3/05
Describe sampling point
Unique Well Number 00439813

Weather: Overcast/Windy 80's
Project Edina Well 7 Study
STS project number 99613 - XA
Time 1430 am pm X

MONITORING WELL INFORMATION: (If Applicable)

Monitoring point elevation = 891 Datum = Water elevation =
Well depth (prior to sampling) = 78 feet below monitoring point (mp)
Depth to water (below mp) = 12.10 feet Date 6/3/05 Time 1346 am X pm
Well diameter = 4 inches Water level above screen? No Yes feet
Volume of water in well = gallons

PURGING INFORMATION:

Purging method: Bailer Submersible pump Tap Other
Tubing type: Teflon Black poly Other
Pump intake or bailer set at feet below monitoring point (mp).
Discharge rate (if applicable) gpm x 0.1336806 = cfm
At least well volumes evacuated before sampling, totaling gallons.

SAMPLING INFORMATION

Sampling method: Bailer Tap Other X – Century Discrete Sampler
Tubing type (if applicable): Teflon Other
Bailer was: Disposable Laboratory cleaned Field cleaned X Other
Sample collected from 69 feet below monitoring point. (mp)
Sample collection discharge rate (if applicable): = gpm
Sample appearance Clear Odor None observed
Note any sampling observations if necessary

Chemical Analysis Low Level VOC
Equipment Calibration

FIELD STABILIZATION

Military time	pH	Redox Pot.	Temperature corrected conductance [ms/cm]	Temperature [°C]	Water Level (nearest 0.01 ft.)	Cumulative volume of water removed [gal.]

SAMPLING INFORMATION FORM

STS Consultants, Ltd.
10900 - 73rd Avenue North, Suite 150
Maple Grove, MN 55369

Sampler's Name: Mathew Beckman
Weather: Overcast/Windy 80's
Unusual Conditions
Project Edina Well 7 Study
Location St. Louis Park, MN
STS project number 99613 - XA
Sample ID number W2 Date sampled 6/3/05
Time 1520 am pm X
Describe sampling point
Unique Well Number 00216046

MONITORING WELL INFORMATION: (If Applicable)

Monitoring point elevation = 897 Datum = Water elevation =
Well depth (prior to sampling) = 31.5 feet below monitoring point (mp)
Depth to water (below mp) = 12.48 feet Date 6/3/05 Time 1442 am pm X
Well diameter = 4 inches Water level above screen? No Yes feet
Volume of water in well = gallons

PURGING INFORMATION:

Purging method: Bailer Submersible pump Tap Other
Tubing type: Teflon Black poly Other
Pump intake or bailer set at feet below monitoring point (mp).
Discharge rate (if applicable) gpm x 0.1336806 = cfm
At least well volumes evacuated before sampling, totaling gallons.

SAMPLING INFORMATION

Sampling method: Bailer Tap Other X – Century Discrete Sampler
Tubing type (if applicable): Teflon Other
Bailer was: Disposable Laboratory cleaned Field cleaned X Other
Sample collected from 23 feet below monitoring point. (mp)
Sample collection discharge rate (if applicable): = gpm
Sample appearance Yellowish Odor None observed
Note any sampling observations if necessary

Chemical Analysis Low Level VOC
Equipment Calibration

FIELD STABILIZATION

Military time	pH	Redox Pot.	Temperature corrected conductance [ms/cm]	Temperature [°C]	Water Level (nearest 0.01 ft.)	Cumulative volume of water removed [gal.]

SAMPLING INFORMATION FORM

STS Consultants, Ltd.
10900 - 73rd Avenue North, Suite 150
Maple Grove, MN 55369

Sampler's Name: Mathew Beckman
Unusual Conditions _____
Location St. Louis Park, MN
Sample ID number W423 Date sampled 6/2/05
Describe sampling point _____
Unique Well Number 00439813

Weather: Overcast/Windy 80's
Project Edina Well 7 Study
STS project number 99613 - XA
Time 1115 am X pm _____

MONITORING WELL INFORMATION: (If Applicable)

Monitoring point elevation = 897 Datum = _____ Water elevation = _____
Well depth (prior to sampling) = 47.3 feet below monitoring point (mp)
Depth to water (below mp) = 36.25 feet Date 6/2/05 Time 1042 am X pm _____
Well diameter = 4 inches Water level above screen? _____ No _____ Yes _____ feet
Volume of water in well = _____ gallons

PURGING INFORMATION:

Purging method: Bailer _____ Submersible pump _____ Tap _____ Other _____
Tubing type: Teflon _____ Black poly _____ Other _____
Pump intake or bailer set at _____ feet below monitoring point (mp).
Discharge rate (if applicable) _____ gpm x 0.1336806 = _____ cfm
At least _____ well volumes evacuated before sampling, totaling _____ gallons.

SAMPLING INFORMATION

Sampling method: Bailer _____ Tap _____ Other X – Century Discrete Sampler
Tubing type (if applicable): Teflon _____ Other _____
Bailer was: Disposable _____ Laboratory cleaned _____ Field cleaned X Other _____
Sample collected from 23 feet below monitoring point. (mp)
Sample collection discharge rate (if applicable): = _____ gpm
Sample appearance Clear Odor None observed
Note any sampling observations if necessary _____

Chemical Analysis Low Level VOC, duplicate @1203 (W425)
Equipment Calibration _____

FIELD STABILIZATION

Military time	pH	Redox Pot.	Temperature corrected conductance [ms/cm]	Temperature [°C]	Water Level (nearest 0.01 ft.)	Cumulative volume of water removed [gal.]

SAMPLING INFORMATION FORM

STS Consultants, Ltd.
10900 - 73rd Avenue North, Suite 150
Maple Grove, MN 55369

Sampler's Name: Mathew Beckman
Weather: Overcast/Windy 80's
Unusual Conditions
Project Edina Well 7 Study
Location St. Louis Park, MN
STS project number 99613 - XA
Sample ID number W15 Date sampled 6/2/05 Time 1415 am pm X
Describe sampling point
Unique Well Number 00216043

MONITORING WELL INFORMATION: (If Applicable)

Monitoring point elevation = 891 Datum = Water elevation =
Well depth (prior to sampling) = 68 feet below monitoring point (mp)
Depth to water (below mp) = 10.69 feet Date 6/2/05 Time 1330 am pm X
Well diameter = 4 inches Water level above screen? No Yes feet
Volume of water in well = gallons

PURGING INFORMATION:

Purging method: Bailer Submersible pump Tap Other
Tubing type: Teflon Black poly Other
Pump intake or bailer set at feet below monitoring point (mp).
Discharge rate (if applicable) gpm x 0.1336806 = cfm
At least *well volumes evacuated before sampling, totaling* gallons.

SAMPLING INFORMATION

Sampling method: Bailer Tap Other X – Century Discrete Sampler
Tubing type (if applicable): Teflon Other
Bailer was: Disposable Laboratory cleaned Field cleaned X Other
Sample collected from 64 feet below monitoring point. (mp)
Sample collection discharge rate (if applicable): = gpm
Sample appearance Cloudy Odor None observed
Note any sampling observations if necessary

Chemical Analysis Low Level VOC, tritium, field blank prepared @1340
Equipment Calibration

FIELD STABILIZATION

Military time	pH	Redox Pot.	Temperature corrected conductance [ms/cm]	Temperature [°C]	Water Level (nearest 0.01 ft.)	Cumulative volume of water removed [gal.]

SAMPLING INFORMATION FORM

STS Consultants, Ltd.
10900 - 73rd Avenue North, Suite 150
Maple Grove, MN 55369

Sampler's Name: Mathew Beckman
Unusual Conditions
Location St. Louis Park, MN
Sample ID number W429 Date sampled 6/2/05
Describe sampling point
Unique Well Number 00439724

Weather: Overcast/Windy 80's
Project Edina Well 7 Study
STS project number 99613 - XA
Time 1545 am pm X

MONITORING WELL INFORMATION: (If Applicable)

Monitoring point elevation = 892 Datum = Water elevation =
Well depth (prior to sampling) = 81 feet below monitoring point (mp)
Depth to water (below mp) = 10.18 feet Date 6/2/05 Time 1525 am pm X
Well diameter = 4 inches Water level above screen? No Yes feet
Volume of water in well = gallons

PURGING INFORMATION:

Purging method: Bailer Submersible pump Tap Other
Tubing type: Teflon Black poly Other
Pump intake or bailer set at feet below monitoring point (mp).
Discharge rate (if applicable) gpm x 0.1336806 = cfm
At least well volumes evacuated before sampling, totaling gallons.

SAMPLING INFORMATION

Sampling method: Bailer Tap Other X – Century Discrete Sampler
Tubing type (if applicable): Teflon Other
Bailer was: Disposable Laboratory cleaned Field cleaned X Other
Sample collected from 64 feet below monitoring point. (mp)
Sample collection discharge rate (if applicable): = gpm
Sample appearance Clear Odor None observed
Note any sampling observations if necessary

Chemical Analysis Low Level VOC, tritium
Equipment Calibration

FIELD STABILIZATION

Military time	pH	Redox Pot.	Temperature corrected conductance [ms/cm]	Temperature [°C]	Water Level (nearest 0.01 ft.)	Cumulative volume of water removed [gal.]

SAMPLING INFORMATION FORM

STS Consultants, Ltd.
10900 - 73rd Avenue North, Suite 150
Maple Grove, MN 55369

Sampler's Name: Mathew Beckman
Weather: Overcast/Windy 80's
Unusual Conditions
Project Edina Well 7 Study
Location St. Louis Park, MN
STS project number 99613 - XA
Sample ID number Monitor Well W-14 Date sampled 6/2/05
Time 1720 am pm X
Describe sampling point
Unique Well Number 0011472

MONITORING WELL INFORMATION: (If Applicable)

Monitoring point elevation = 890 Datum = Water elevation =
Well depth (prior to sampling) = 81 feet below monitoring point (mp)
Depth to water (below mp) = 25.47 feet Date 6/2/05 Time 1630 am pm X
Well diameter = 4 inches Water level above screen? No Yes feet
Volume of water in well = gallons

PURGING INFORMATION:

Purging method: Bailer Submersible pump Tap Other
Tubing type: Teflon Black poly Other
Pump intake or bailer set at feet below monitoring point (mp).
Discharge rate (if applicable) gpm x 0.1336806 = cfm
At least well volumes evacuated before sampling, totaling gallons.

SAMPLING INFORMATION

Sampling method: Bailer Tap Other X – Century Discrete Sampler
Tubing type (if applicable): Teflon Other
Bailer was: Disposable Laboratory cleaned Field cleaned X Other
Sample collected from 70 feet below monitoring point. (mp)
Sample collection discharge rate (if applicable): = gpm
Sample appearance Clear Odor None observed
Note any sampling observations if necessary

Chemical Analysis Low Level VOC, tritium
Equipment Calibration

FIELD STABILIZATION

Military time	pH	Redox Pot.	Temperature corrected conductance [ms/cm]	Temperature [°C]	Water Level (nearest 0.01 ft.)	Cumulative volume of water removed [gal.]

SAMPLING INFORMATION FORM

STS Consultants, Ltd.
10900 - 73rd Avenue North, Suite 150
Maple Grove, MN 55369

Sampler's Name: Mathew Beckman
Weather: Overcast/Windy 80's
Unusual Conditions
Project Edina Well 7 Study
Location St. Louis Park, MN
STS project number 99613 - XA
Sample ID number W132 Date sampled 6/2/05
Time 1850 am pm X
Describe sampling point
Unique Well Number 00165587

MONITORING WELL INFORMATION: (If Applicable)

Monitoring point elevation = 902 Datum = Water elevation =
Well depth (prior to sampling) = 92 feet below monitoring point (mp)
Depth to water (below mp) = 33.15 feet Date 6/2/05 Time 1830 am pm X
Well diameter = 4 inches Water level above screen? No Yes feet
Volume of water in well = gallons

PURGING INFORMATION:

Purging method: Bailer Submersible pump Tap Other
Tubing type: Teflon Black poly Other
Pump intake or bailer set at feet below monitoring point (mp).
Discharge rate (if applicable) gpm x 0.1336806 = cfm
At least well volumes evacuated before sampling, totaling gallons.

SAMPLING INFORMATION

Sampling method: Bailer Tap Other X – Century Discrete Sampler
Tubing type (if applicable): Teflon Other
Bailer was: Disposable Laboratory cleaned Field cleaned X Other
Sample collected from 87 feet below monitoring point. (mp)
Sample collection discharge rate (if applicable): = gpm
Sample appearance Clear Odor None observed
Note any sampling observations if necessary

Chemical Analysis Low Level VOC, tritium
Equipment Calibration

FIELD STABILIZATION

Military time	pH	Redox Pot.	Temperature corrected conductance [ms/cm]	Temperature [°C]	Water Level (nearest 0.01 ft.)	Cumulative volume of water removed [gal.]

SAMPLING INFORMATION FORM

STS Consultants, Ltd.
10900 - 73rd Avenue North, Suite 150
Maple Grove, MN 55369

Sampler's Name: Mathew Beckman
Weather: Overcast/Windy 80's
Unusual Conditions
Project Edina Well 7 Study
Location St. Louis Park, MN
STS project number 99613 - XA
Sample ID number P62 Date sampled 6/2/05
Time 2030 am pm X
Describe sampling point
Unique Well Number 00227948

MONITORING WELL INFORMATION: (If Applicable)

Monitoring point elevation = 909 Datum = Water elevation =
Well depth (prior to sampling) = 122 feet below monitoring point (mp)
Depth to water (below mp) = 47.47 feet Date 6/2/05 Time 2000 am pm X
Well diameter = 4 inches Water level above screen? No Yes feet
Volume of water in well = gallons

PURGING INFORMATION:

Purging method: Bailer Submersible pump Tap Other
Tubing type: Teflon Black poly Other
Pump intake or bailer set at feet below monitoring point (mp).
Discharge rate (if applicable) gpm x 0.1336806 = cfm
At least well volumes evacuated before sampling, totaling gallons.

SAMPLING INFORMATION

Sampling method: Bailer Tap Other X – Century Discrete Sampler
Tubing type (if applicable): Teflon Other
Bailer was: Disposable Laboratory cleaned Field cleaned X Other
Sample collected from 110 feet below monitoring point. (mp)
Sample collection discharge rate (if applicable): = gpm
Sample appearance Clear *Odor* None observed
Note any sampling observations if necessary

Chemical Analysis Low Level VOC, tritium
Equipment Calibration

FIELD STABILIZATION

Military time	pH	Redox Pot.	Temperature corrected conductance [ms/cm]	Temperature [°C]	Water Level (nearest 0.01 ft.)	Cumulative volume of water removed [gal.]

SAMPLING INFORMATION FORM

STS Consultants, Ltd.
10900 - 73rd Avenue North, Suite 150
Maple Grove, MN 55369

Sampler's Name: Mathew Beckman
Unusual Conditions
Location St. Louis Park, MN
Sample ID number W124 Date sampled 6/2/05
Describe sampling point
Unique Well Number 00165579

Weather: Overcast/Windy 80's
Project Edina Well 7 Study
STS project number 99613 - XA
Time 2150 am pm X

MONITORING WELL INFORMATION: (If Applicable)

Monitoring point elevation = 882 Datum = Water elevation =
Well depth (prior to sampling) = 87 feet below monitoring point (mp)
Depth to water (below mp) = 00165579 feet Date 6/2/05 Time 2125 am pm X
Well diameter = 4 inches Water level above screen? No Yes feet
Volume of water in well = gallons

PURGING INFORMATION:

Purging method: Bailer Submersible pump Tap Other
Tubing type: Teflon Black poly Other
Pump intake or bailer set at feet below monitoring point (mp).
Discharge rate (if applicable) gpm x 0.1336806 = cfm
At least well volumes evacuated before sampling, totaling gallons.

SAMPLING INFORMATION

Sampling method: Bailer Tap Other X – Century Discrete Sampler
Tubing type (if applicable): Teflon Other
Bailer was: Disposable Laboratory cleaned Field cleaned X Other
Sample collected from 77 feet below monitoring point. (mp)
Sample collection discharge rate (if applicable): = gpm
Sample appearance Clear Odor None observed
Note any sampling observations if necessary

Chemical Analysis Low Level VOC, tritium
Equipment Calibration

FIELD STABILIZATION

Military time	pH	Redox Pot.	Temperature corrected conductance [ms/cm]	Temperature [°C]	Water Level (nearest 0.01 ft.)	Cumulative volume of water removed [gal.]

SAMPLING INFORMATION FORM

STS Consultants, Ltd.
10900 - 73rd Avenue North, Suite 150
Maple Grove, MN 55369

Sampler's Name: Mathew Beckman
Unusual Conditions
Location St. Louis Park, MN
Sample ID number W424 Date sampled 6/2/05
Describe sampling point
Unique Well Number 00439809

Weather: Overcast/Windy 80's
Project Edina Well 7 Study
STS project number 99613 - XA
Time 0840 am pm X

MONITORING WELL INFORMATION: (If Applicable)

Monitoring point elevation = 933 Datum = Water elevation =
Well depth (prior to sampling) = 112 feet below monitoring point (mp)
Depth to water (below mp) = 35.7 feet Date 6/2/05 Time 0730 am X pm
Well diameter = 4 inches Water level above screen? No Yes feet
Volume of water in well = gallons

PURGING INFORMATION:

Purging method: Bailer Submersible pump Tap Other
Tubing type: Teflon Black poly Other
Pump intake or bailer set at feet below monitoring point (mp).
Discharge rate (if applicable) gpm x 0.1336806 = cfm
At least well volumes evacuated before sampling, totaling gallons.

SAMPLING INFORMATION

Sampling method: Bailer Tap Other X – Century Discrete Sampler
Tubing type (if applicable): Teflon Other
Bailer was: Disposable Laboratory cleaned Field cleaned X Other
Sample collected from 102 feet below monitoring point. (mp)
Sample collection discharge rate (if applicable): = gpm
Sample appearance Clear Odor None observed
Note any sampling observations if necessary

Chemical Analysis Low Level VOC, tritium
Equipment Calibration

FIELD STABILIZATION

Military time	pH	Redox Pot.	Temperature corrected conductance [ms/cm]	Temperature [°C]	Water Level (nearest 0.01 ft.)	Cumulative volume of water removed [gal.]

SAMPLING INFORMATION FORM

STS Consultants, Ltd.
10900 - 73rd Avenue North, Suite 150
Maple Grove, MN 55369

Sampler's Name: Mathew Beckman
Unusual Conditions
Location St. Louis Park, MN
Sample ID number P304 Date sampled 6/6/05
Describe sampling point
Unique Well Number 00439765

Weather: Overcast/Windy 80's
Project Edina Well 7 Study
STS project number 99613 - XA
Time 1545 am pm X

MONITORING WELL INFORMATION: (If Applicable)

Monitoring point elevation = 892 Datum = Water elevation =
Well depth (prior to sampling) = 36 feet below monitoring point (mp)
Depth to water (below mp) = 9.28 feet Date 6/6/05 Time 1500 am pm X
Well diameter = 1.2 inches Water level above screen? No Yes feet
Volume of water in well = 2.1 gallons

PURGING INFORMATION:

Purging method: Bailer Submersible pump Tap Other X - Peristaltic
Tubing type: Teflon Black poly Other X - PVC
Pump intake or bailer set at feet below monitoring point (mp).
Discharge rate (if applicable) <1 gpm x 0.1336806 = cfm
At least 3 well volumes evacuated before sampling, totaling 2.1 gallons.

SAMPLING INFORMATION

Sampling method: Bailer Tap Other
Tubing type (if applicable): Teflon Other
Bailer was: Disposable Laboratory cleaned Field cleaned Other
Sample collected from 35 feet below monitoring point. (mp)
Sample collection discharge rate (if applicable): = gpm
Sample appearance Clear Odor Chemical
Note any sampling observations if necessary

Chemical Analysis Low Level VOC, duplicate P305, MS/MSD
Equipment Calibration pH = 7,4,10,7 Conductivity = 700 µs/cm @ 1330

FIELD STABILIZATION

Military time	pH	Redox Pot.	Temperature corrected conductance [ms/cm]	Temperature [°C]	Water Level (nearest 0.01 ft.)	Cumulative volume of water removed [gal.]
1510	7.3	-123	1177	13.9		~1
1516	7.3	-117	1184	13.3		~2
1523	7.3	-110	1164	12.5		~4
1524	7.3	-106	1168	12.4		~5
1536	7.3	-103	1169	12.4		~6

SAMPLING INFORMATION FORM

STS Consultants, Ltd.
10900 - 73rd Avenue North, Suite 150
Maple Grove, MN 55369

Sampler's Name: Mathew Beckman
Unusual Conditions
Location St. Louis Park, MN
Sample ID number P8 Date sampled 6/7/05
Describe sampling point
Unique Well Number 00216117

Weather: Overcast/Windy 80's
Project Edina Well 7 Study
STS project number 99613 - XA
Time 1020 am X pm

MONITORING WELL INFORMATION: (If Applicable)

Monitoring point elevation = 890 Datum = Water elevation =
Well depth (prior to sampling) = 13 feet below monitoring point (mp)
Depth to water (below mp) = 10.11 feet Date 6/6/05 Time 0950 am X pm
Well diameter = 1.2 inches Water level above screen? No Yes feet
Volume of water in well = 0.7 gallons

PURGING INFORMATION:

Purging method: Bailer Submersible pump Tap Other X - Peristaltic
Tubing type: Teflon Black poly Other X - PVC
Pump intake or bailer set at feet below monitoring point (mp).
Discharge rate (if applicable) <1 gpm x 0.1336806 = cfm
At least 3 *well volumes evacuated before sampling, totaling* ~2 *gallons.*

SAMPLING INFORMATION

Sampling method: Bailer Tap Other
Tubing type (if applicable): Teflon Other
Bailer was: Disposable Laboratory cleaned Field cleaned Other
Sample collected from 12 feet below monitoring point. (mp)
Sample collection discharge rate (if applicable): = gpm
Sample appearance Clear Odor Chemical
Note any sampling observations if necessary Purged dry after 0.5 gallons, sampled on 6/7/05

Chemical Analysis Low Level VOC
Equipment Calibration pH = 7,4,10,7 Conductivity = 700 µs/cm @ 0930

FIELD STABILIZATION

Military time	pH	Redox Pot.	Temperature corrected conductance [ms/cm]	Temperature [°C]	Water Level (nearest 0.01 ft.)	Cumulative volume of water removed [gal.]
1000	6.2	-055	1330	16.4		~0
1010	7.1	-061	1025	14.5		~.5

SAMPLING INFORMATION FORM

STS Consultants, Ltd.
10900 - 73rd Avenue North, Suite 150
Maple Grove, MN 55369

Sampler's Name: Mathew Beckman
Unusual Conditions
Location St. Louis Park, MN
Sample ID number P112 Date sampled 6/7/05
Describe sampling point
Unique Well Number 00216117

Weather: Overcast/Windy 80's
Project Edina Well 7 Study
STS project number 99613 - XA
Time 1440 am pm X

MONITORING WELL INFORMATION: *(If Applicable)*

Monitoring point elevation = 902 Datum = Water elevation =
Well depth (prior to sampling) = 52 feet below monitoring point (mp)
Depth to water (below mp) = 23.12 feet Date 6/7/05 Time 1240 am X pm
Well diameter = 1.2 inches Water level above screen? No Yes feet
Volume of water in well = 2.0 gallons

PURGING INFORMATION:

Purging method: Bailer Submersible pump Tap Other X - Peristaltic
Tubing type: Teflon Black poly Other X - PVC
Pump intake or bailer set at *feet below monitoring point (mp).*
Discharge rate (if applicable) <1 gpm x 0.1336806 = cfm
At least 3 well volumes evacuated before sampling, totaling ~6 gallons.

SAMPLING INFORMATION

Sampling method: Bailer Tap Other
Tubing type (if applicable): Teflon Other
Bailer was: Disposable Laboratory cleaned Field cleaned Other
Sample collected from 20 feet below monitoring point. (mp)
Sample collection discharge rate (if applicable): = gpm
Sample appearance Clear Odor None observed
Note any sampling observations if necessary

Chemical Analysis Low Level VOC, duplicate P113, MSMSD
Equipment Calibration pH = 7,4,10,7 Conductivity = 700 µs/cm @ 0930

FIELD STABILIZATION

Military time	pH	Redox Pot.	Temperature corrected conductance [ms/cm]	Temperature [°C]	Water Level (nearest 0.01 ft.)	Cumulative volume of water removed [gal.]
1330	6.7	-085	1288	17.0		~0
1345	7.1	-097	1193	16.7		~3
1400	7.0	-094	1141	16.6		~4
1415	6.9	-083	1158	16.5		~5
1430	6.9	-083	1171	16.5		~6

SAMPLING INFORMATION FORM

STS Consultants, Ltd.
10900 - 73rd Avenue North, Suite 150
Maple Grove, MN 55369

Sampler's Name: Mathew Beckman
Weather: Overcast/Windy 80's
Unusual Conditions
Project Edina Well 7 Study
Location St. Louis Park, MN
STS project number 99613 - XA
Sample ID number P58 Date sampled 6/7/05
Time 1545 am pm X
Describe sampling point
Unique Well Number 00227944

MONITORING WELL INFORMATION: (If Applicable)

Monitoring point elevation = 890 Datum = Water elevation =
Well depth (prior to sampling) = 12 feet below monitoring point (mp)
Depth to water (below mp) = 5.11 feet Date 6/7/05 Time 1530 am pm X
Well diameter = 1.2 inches Water level above screen? No Yes feet
Volume of water in well = 0.9 gallons

PURGING INFORMATION:

Purging method: Bailer Submersible pump Tap Other X - Peristaltic
Tubing type: Teflon Black poly Other X - PVC
Pump intake or bailer set at feet below monitoring point (mp).
Discharge rate (if applicable) <1 gpm x 0.1336806 = cfm
At least 3 well volumes evacuated before sampling, totaling ~3 gallons.

SAMPLING INFORMATION

Sampling method: Bailer Tap Other
Tubing type (if applicable): Teflon Other
Bailer was: Disposable Laboratory cleaned Field cleaned Other
Sample collected from 11 feet below monitoring point. (mp)
Sample collection discharge rate (if applicable): = <1 gpm
Sample appearance Clear Odor None observed
Note any sampling observations if necessary Purged dry

Chemical Analysis Low level VOC
Equipment Calibration pH = 7,4,10,7 Conductivity = 700 µs/cm @ 0930

FIELD STABILIZATION

Military time	pH	Redox Pot.	Temperature corrected conductance [ms/cm]	Temperature [°C]	Water Level (nearest 0.01 ft.)	Cumulative volume of water removed [gal.]
1530	6.6	-113	1527	13.5		~.7

SAMPLING INFORMATION FORM

STS Consultants, Ltd.
10900 - 73rd Avenue North, Suite 150
Maple Grove, MN 55369

Sampler's Name: Mathew Beckman
Weather: Overcast/Windy 80's
Unusual Conditions
Project Edina Well 7 Study
Location St. Louis Park, MN
STS project number 99613 - XA
Sample ID number P9 Date sampled 6/8/05
Time 1015 am X pm
Describe sampling point
Unique Well Number 00216118

MONITORING WELL INFORMATION: (If Applicable)

Monitoring point elevation = 891 Datum = Water elevation =
Well depth (prior to sampling) = 14 feet below monitoring point (mp)
Depth to water (below mp) = 10.39 feet Date 6/8/05 Time 0945 am X pm
Well diameter = 1.2 inches Water level above screen? ____ No ____ Yes ____ feet
Volume of water in well = 1 gallons

PURGING INFORMATION:

Purging method: Bailer ____ Submersible pump ____ Tap ____ Other X - Peristaltic
Tubing type: Teflon ____ Black poly ____ Other X - PVC
Pump intake or bailer set at ____ feet below monitoring point (mp).
Discharge rate (if applicable) <1 gpm x 0.1336806 = ____ cfm
At least 3 well volumes evacuated before sampling, totaling ~3 gallons.

SAMPLING INFORMATION

Sampling method: Bailer ____ Tap ____ Other ____
Tubing type (if applicable): Teflon ____ Other ____
Bailer was: Disposable ____ Laboratory cleaned ____ Field cleaned ____ Other ____
Sample collected from 11 feet below monitoring point. (mp)
Sample collection discharge rate (if applicable): = <1 gpm
Sample appearance Blackish Gray Odor Chemical
Note any sampling observations if necessary Purged dry on 6/7/05.

Chemical Analysis Low level VOC
Equipment Calibration pH = 7,4,10,7 Conductivity = 700 µs/cm @ 0930

FIELD STABILIZATION

Military time	pH	Redox Pot.	Temperature corrected conductance [ms/cm]	Temperature [°C]	Water Level (nearest 0.01 ft.)	Cumulative volume of water removed [gal.]
1120	6.8	-204	12.65	14.9		~0

SAMPLING INFORMATION FORM

STS Consultants, Ltd.
10900 - 73rd Avenue North, Suite 150
Maple Grove, MN 55369

Sampler's Name: Mathew Beckman
Unusual Conditions
Location St. Louis Park, MN
Sample ID number P65 Date sampled Not Sampled
Describe sampling point
Unique Well Number 0022795

Weather: Overcast/Windy 80's
Project Edina Well 7 Study
STS project number 99613 - XA
Time ____ am ____ pm ____

MONITORING WELL INFORMATION: (If Applicable)

Monitoring point elevation = 901 Datum = ____ Water elevation = ____
Well depth (prior to sampling) = 29 feet below monitoring point (mp)
Depth to water (below mp) = 23.76 feet Date 6/7/05 Time 1645 am X pm ____
Well diameter = 1.2 inches Water level above screen? ____ No ____ Yes ____ feet
Volume of water in well = 0.8 gallons

PURGING INFORMATION:

Purging method: Bailer ____ Submersible pump ____ Tap ____ Other ____
Tubing type: Teflon ____ Black poly ____ Other ____
Pump intake or bailer set at ____ feet below monitoring point (mp).
Discharge rate (if applicable) <1 gpm x 0.1336806 = ____ cfm
At least 3 well volumes evacuated before sampling, totaling ~2.5 gallons.

SAMPLING INFORMATION

Sampling method: Bailer ____ Tap ____ Other ____
Tubing type (if applicable): Teflon ____ Other ____
Bailer was: Disposable ____ Laboratory cleaned ____ Field cleaned ____ Other ____
Sample collected from ____ feet below monitoring point. (mp)
Sample collection discharge rate (if applicable): = ____ gpm
Sample appearance ____ Odor ____
Note any sampling observations if necessary Purged dry

Chemical Analysis
Equipment Calibration pH = 7,4,10,7 Conductivity = 700 µs/cm @ 0930

FIELD STABILIZATION

Military time	pH	Redox Pot.	Temperature corrected conductance [ms/cm]	Temperature [°C]	Water Level (nearest 0.01 ft.)	Cumulative volume of water removed [gal.]